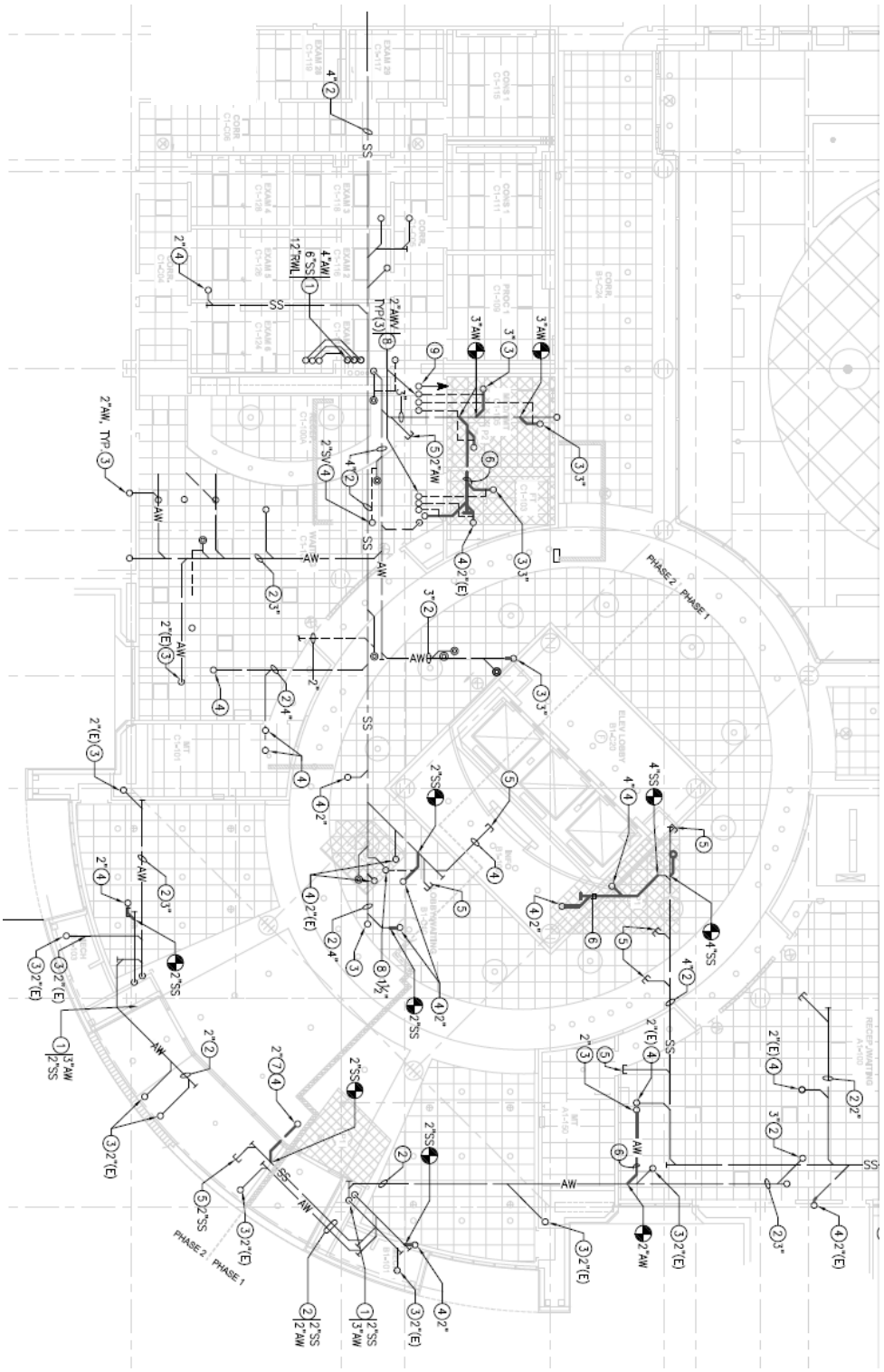
UPGRADE DIALYSIS SUITE
FINISHES 640-15-136

VA Palo Alto B101 FL2 Dialysis

Department of Veterans Affairs

Scale: 3/16" = 1' - 0"



2nd FLOOR UNDER FLOOR PLUMBING AS-BUILT

Drawing Name:

Scale: N.T.S.

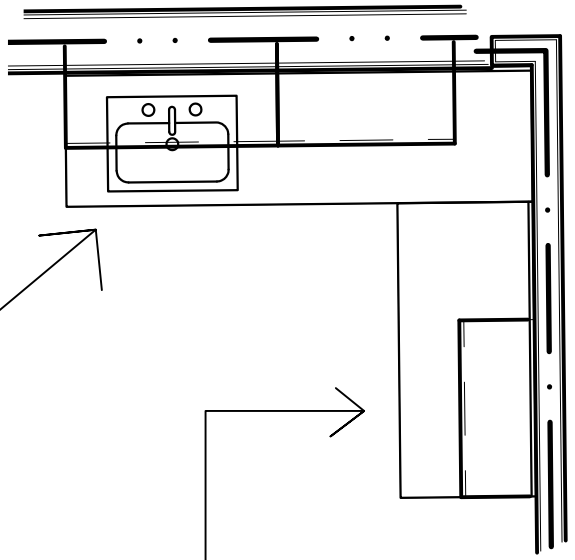
VA PALO ALTO HEALTHCARE SYSTEM **STATION 640, PALO ALTO, CA.94304** **DIVISION PAD**	**Project:** **UPGRADE DIALYSIS FINISHES** **640-15-136**		**Date:** **12/24/14**
	Building: **B100**	**FLOOR** **2-B WING**	**Sht.No.:**

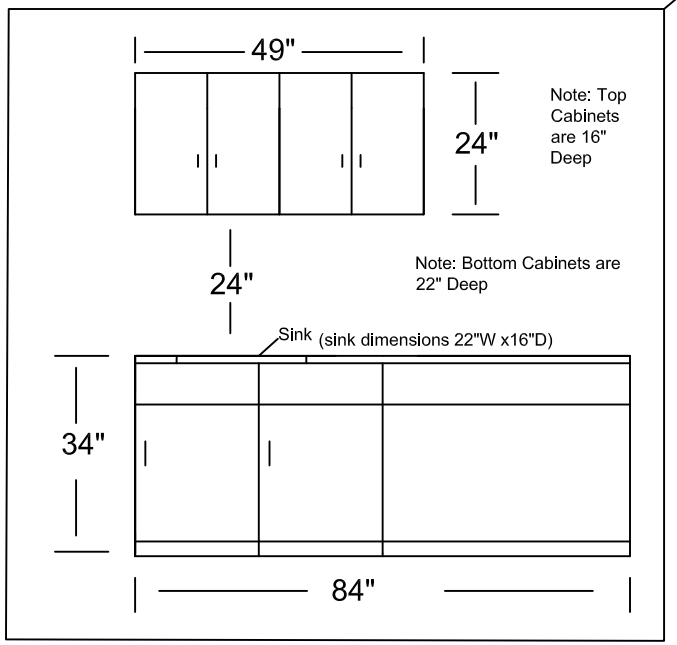
REUSE

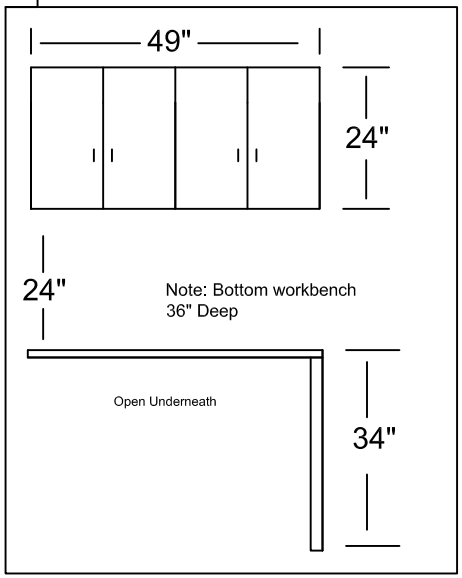
B2-134

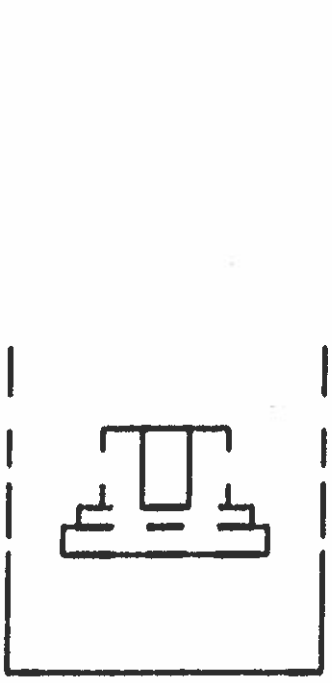
– 119 ft²

Note: Casework design is ADA compliant.



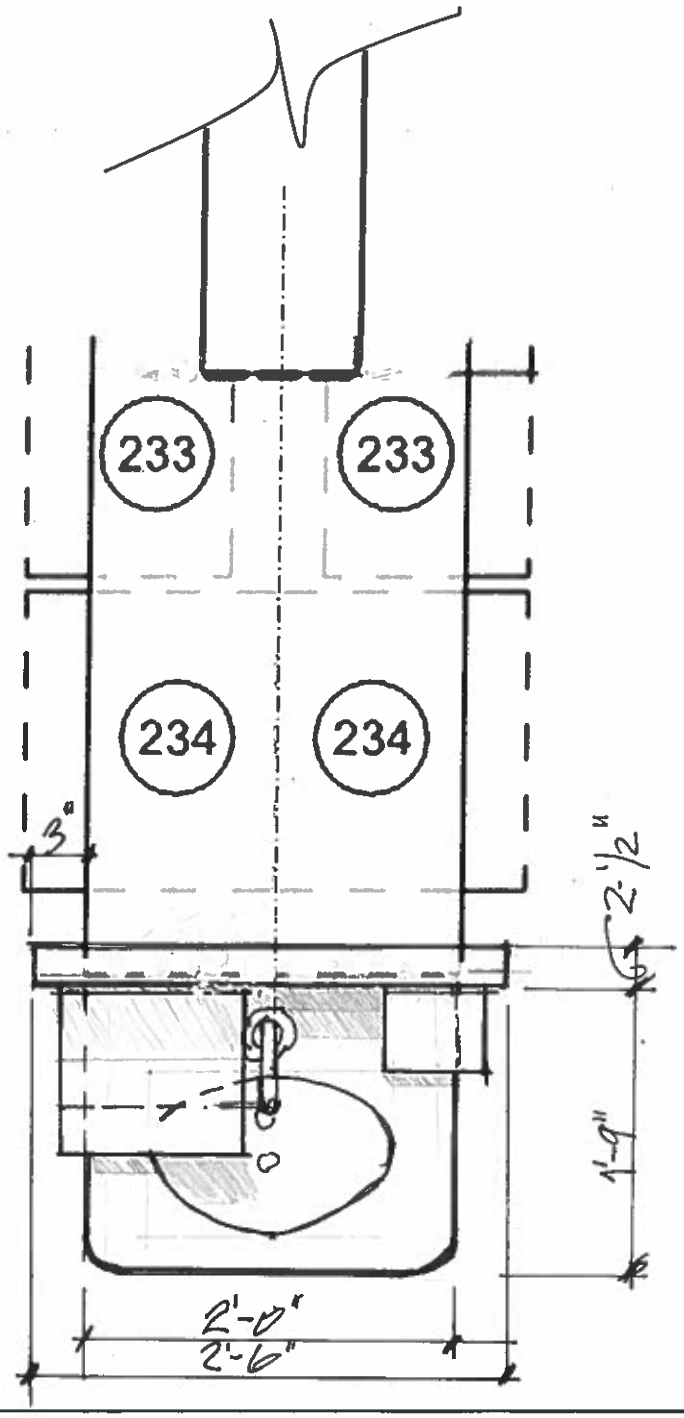






CUB.

1



CU

2

Integral Sink:
a. Description:
1) Oval sink fabricated integral with solid surfacing countertop.
2) Size: Small oval 14-3/4 by 10-1/1 inches.
b. Product: E.I. du Pont de Nemours and Co., Inc.'s "Corian 820 Sink"; or architect approved equal

SINK BETWEEN CUBICLES 1 & 2

Drawing Name:

Scale: 1"=1'-0"

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION PAD

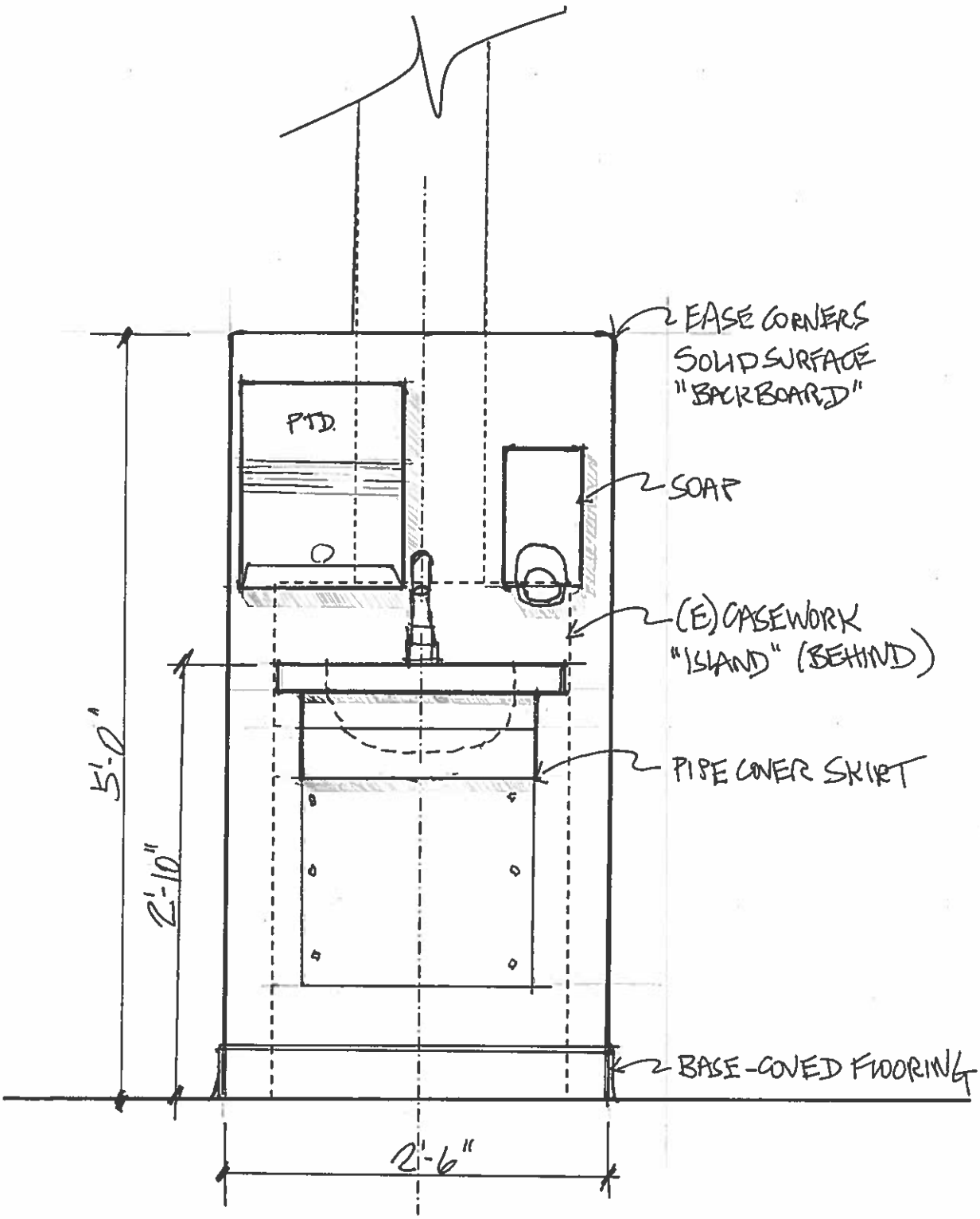
Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/31/14

Building: B100

FLOOR 2-B WING

Sht.No.: SK-



SINK BETWEEN CUBICLES 1 & 2

Drawing Name:

Scale: 1"=1'-0"

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION PAD

Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/31/14

Building: B100

FLOOR 2-B WING

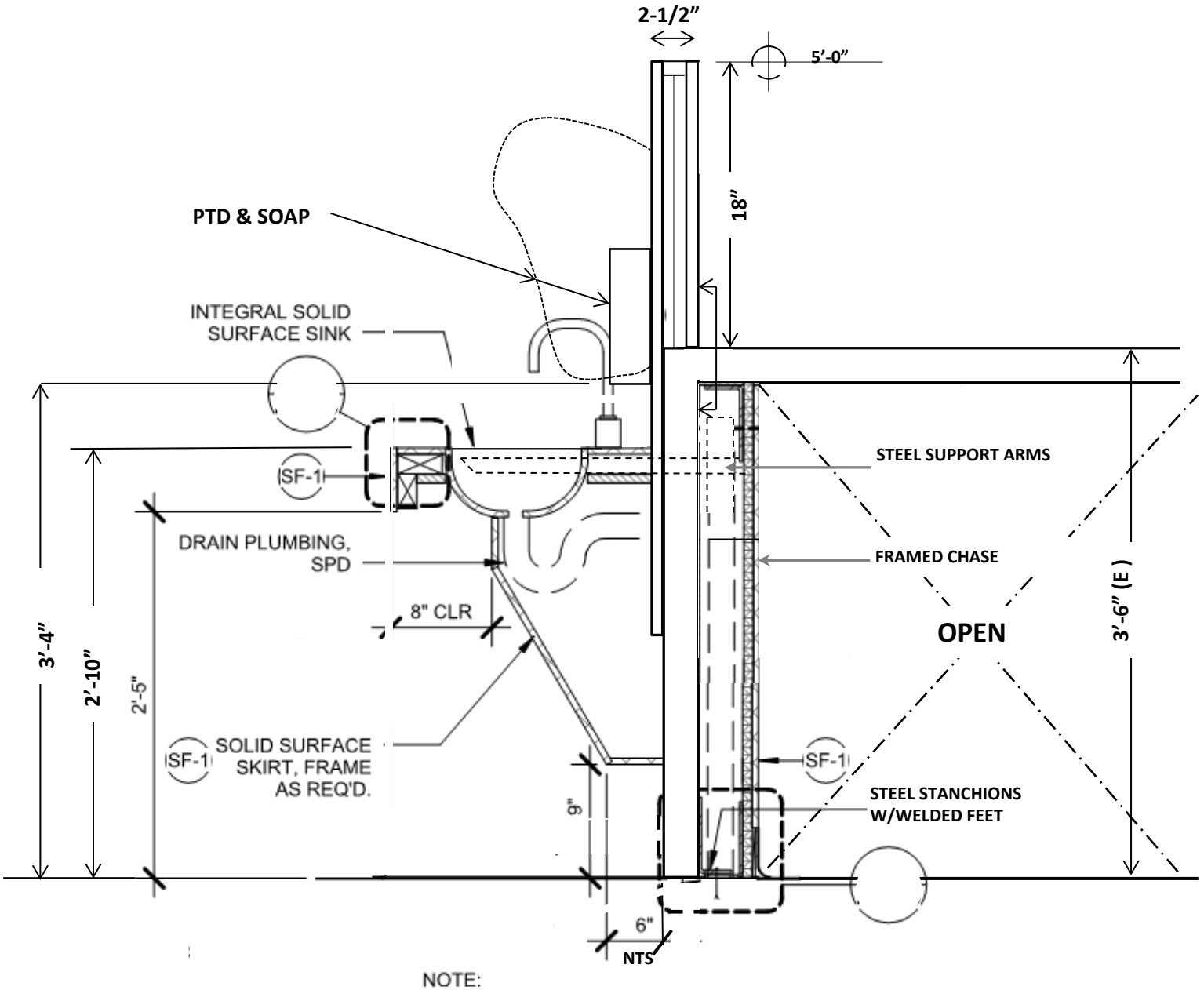
Sht.No.: SK-

Integral Sink:

Description:

1) **Oval sink fabricated integral with solid surfacing countertop.**
2) **Size: Small oval 14-3/4 by 10-1/1 inches.**

Product: E.I. du Pont de Nemours and Co., Inc.'s "Corian 820 Sink"; or VA approved equal



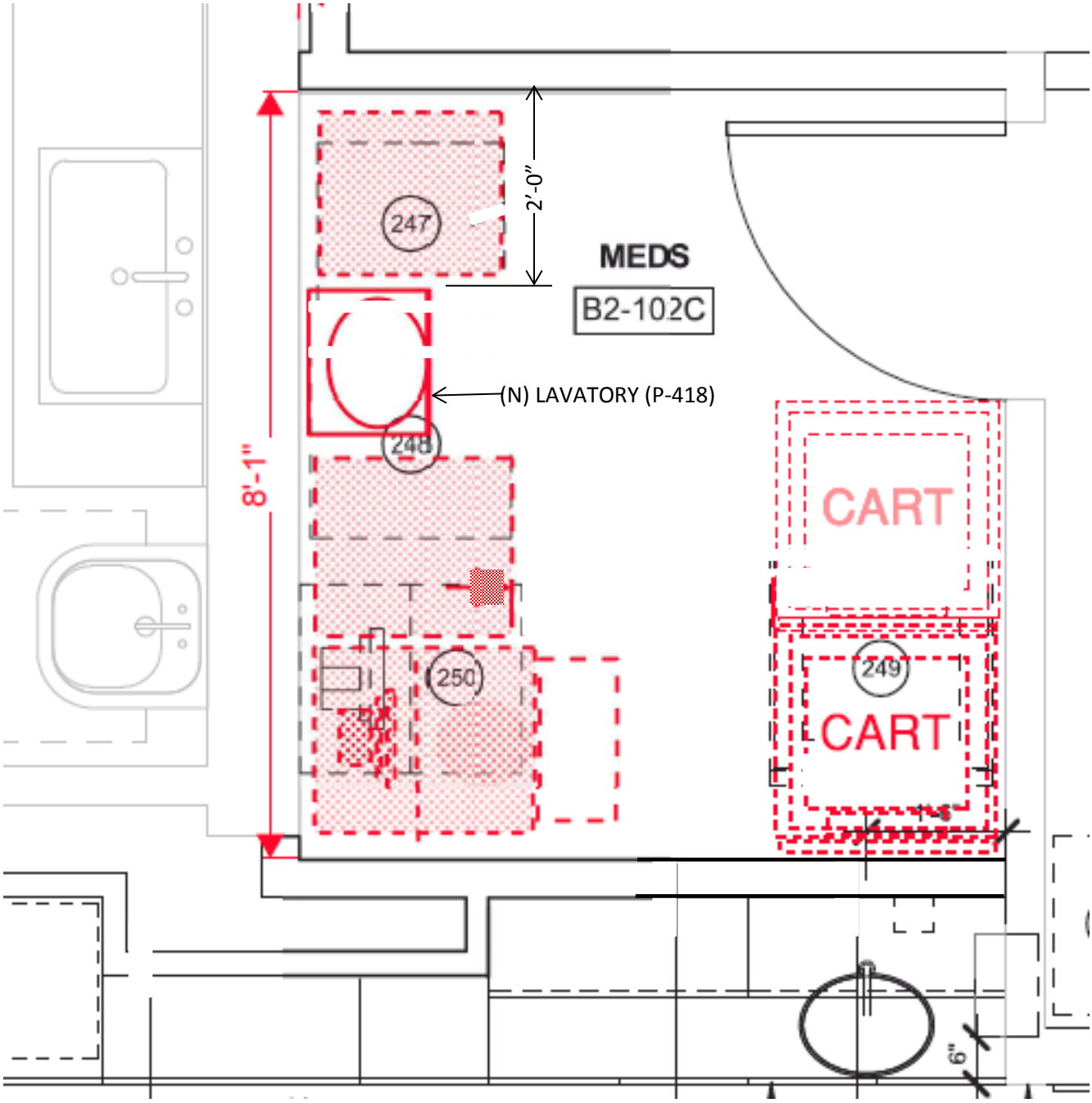
NOTE:
1. SKIRT FACE TO HAVE REMOVEABLE SECTION FOR ACCESS TO PLUMBING PIPES. PROVIDE STAINLESS STEEL FASTENERS AT ACCESS PANEL (MATCH (E) ON UNIT)

NEW SINK BETWEEN CUBICLES 1 & 2 @ CORR. B2-C03 - SECTION

Drawing Name:

Scale: 1"=1'-0"

VA HEALTH CARE	**VA PALO ALTO HEALTHCARE SYSTEM**	Proje	ate:
	STATION 640, PALO ALTO, CA.94304	**640-15-136**	**12/31/14**
	DIVISION **PAD**	Building: **B100** FLOOR **2-B WING**	Sht.No.: **SK-**



(P-418) Lavatory (Sensor Control, Gooseneck Spout, ASME/ANSI A112.19.2M, Figure 16) straight back, approximately 540 mm by 559 mm (21-1/4 inches by 22 inches), first quality vitreous china with punching for gooseneck spout. Set rim 864 mm (34 inches) above finished floor.

247	(E) ICE MACHINE, 21.25"W x 24"D x 66.5"H (VC)
248	(E) UNDER COUNTER REFRIGERATOR, 23.75"W x 25.75"D x 32"H (VC)
249	(E) ACUTE CARE CART, 24"W x 24.5"D x 46.25"H (VV)
250	(E) MEDS DISPENSING, 24.5"W x 28.5"D x 52.5"H (VC)

NEW SINK IN MEDS ROOM B2-102C - PLAN

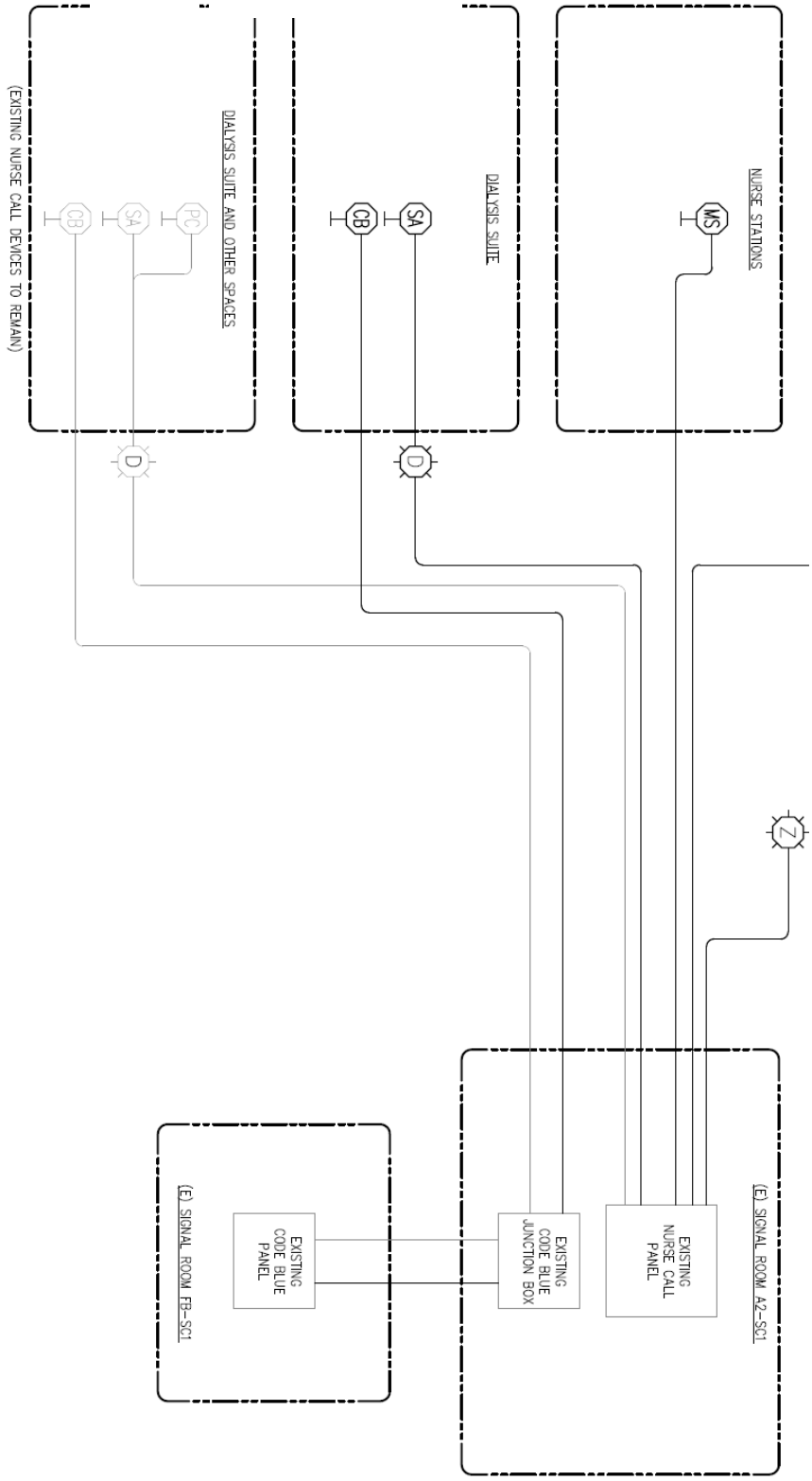
Drawing Name:

Scale: N.T.S.

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION **PAD**

Proje	ate:
640-15-136	1/5/15
Building:	**Sht.No.:**
B100 FLOOR 2-B WING	SK-

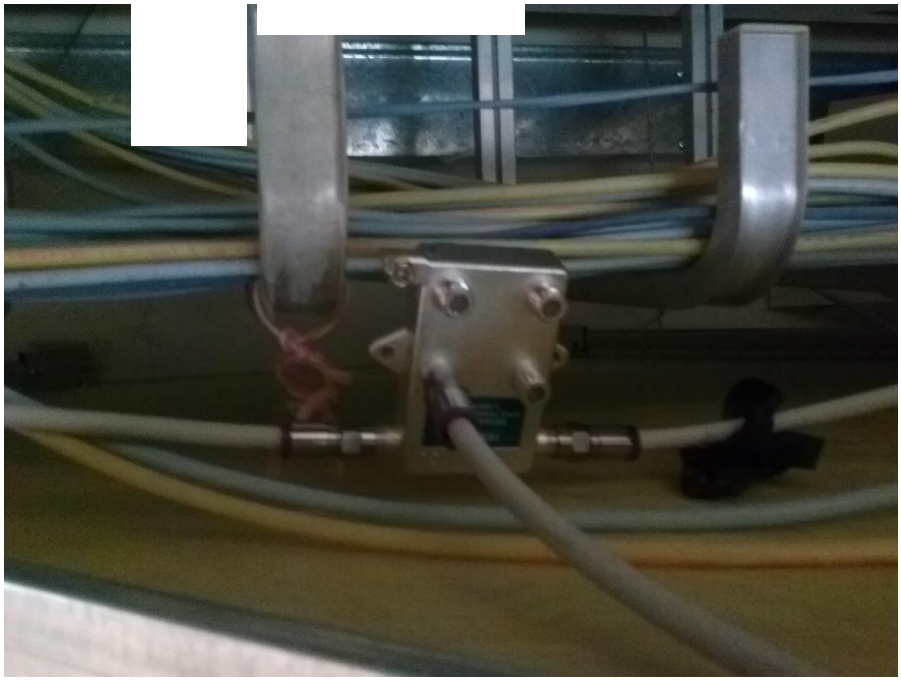


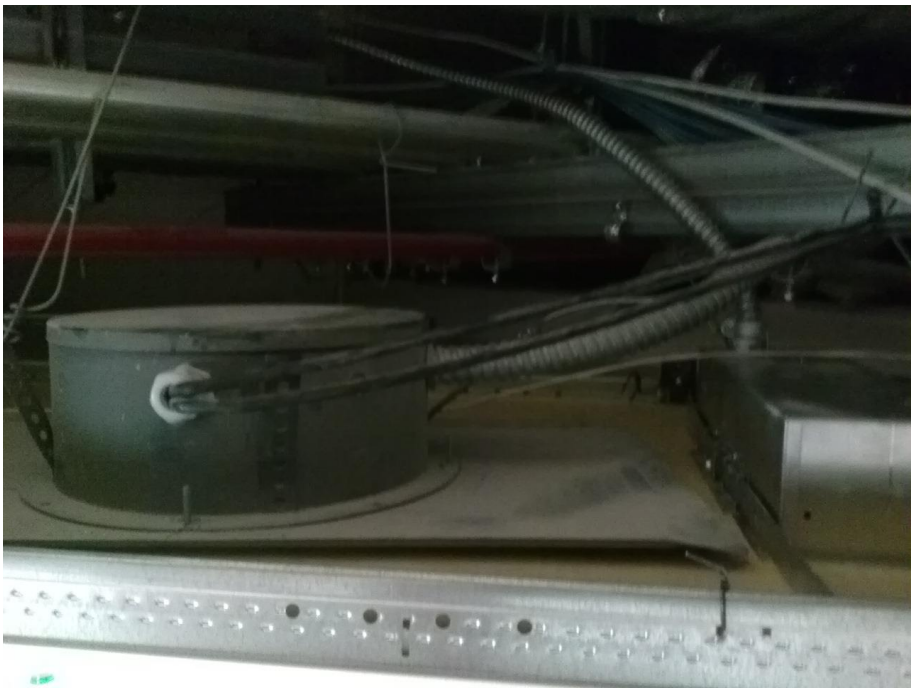
CODE BLUE AND NURSE CALL DIAGRAM

Drawing Name:

Scale: N.T.S.

VA PALO ALTO HEALTHCARE SYSTEM **STATION 640, PALO ALTO, CA.94304** **DIVISION PAD**	**Project: UPGRADE DIALYSIS FINISHES 640-15-136**	**Date: 12/24/14**
	Building: B100 FLOOR **2-B WING**	**Sht.No.:**





FIRE ALARM-PAGING AND MATV PHOTO (CURRENT CONDITIONS)

Drawing Name:

Scale: N/A

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION **PAD**

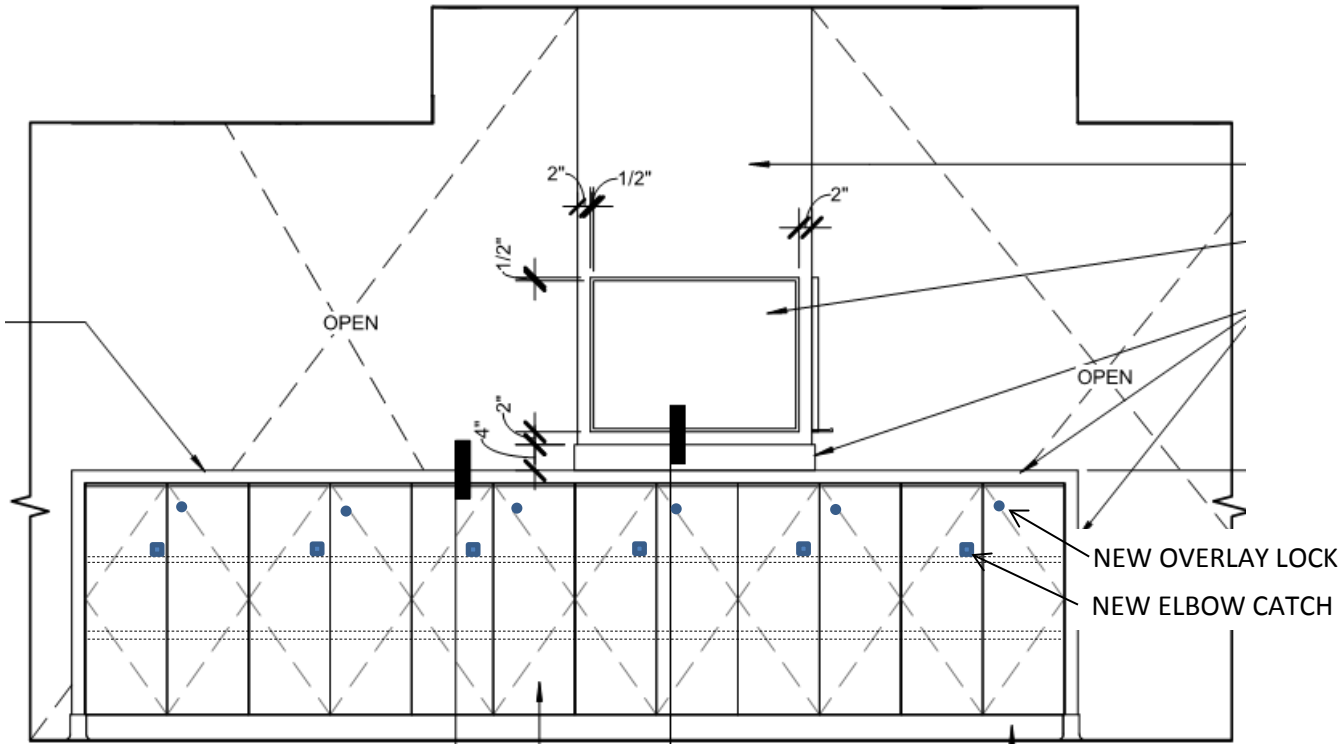
Project: **UPGRADE DIALYSIS FINISHES 640-15-136**

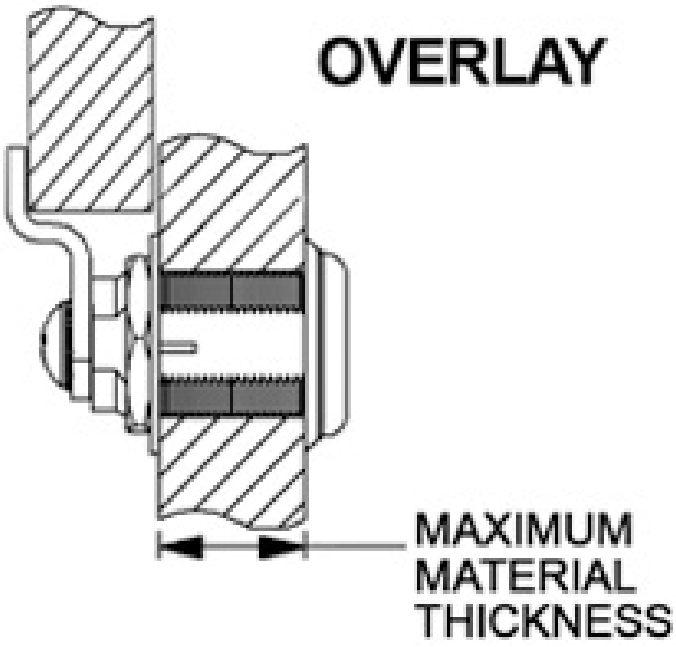
Date: **12/24/14**

Building: **B100**

FLOOR **2-B WING**

Sht.No.:





ELBOW CATCH

CABINET LOCK DETAIL

Drawing Name:

Scale: AS NOTED

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION **PAD**

Proje	ate:
640-15-136	12/31/14
Building:	**Sht.No.:**
B100 FLOOR 2-B WING	SK-

A156.9-03.....Cabinet Hardware
A156.11-04.....Cabinet Locks
General Requirements:
a. Exposed Casework Hardware Finish: Satin nickel unless otherwise noted.
b. Furnish necessary screws, staples, bolts, or other fastenings of proper size and type to secure items in position and, where exposed, to match finish of hardware item fastened.
c. Provide locks at all doors and drawers.
d. Keying: Casework locks must use Best Lock Corp.’s “5E Keyway”. Coordinate with the Contracting Officer’s Technical Representatives for detailed keying instructions. Provide 2 keys for each lock. The name of the manufacturer, or trademark by which manufacturer can readily be identifies, shall be legibly marked on each lock, and the key change numbers shall also be stamped on each key. Key change numbers shall provide sufficient information for replacement of the key by the manufacturer

CABINET LOCK DETAIL

Drawing Name:

Scale: AS NOTED

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION PAD

Proje	ate:
640-15-136	12/31/14
Building:	**Sht.No.:**
B100 FLOOR 2-B WING	SK-

DOOR SCHEDULE

Number	Rating	Frame Type	Frame Material	Frame Finish	Door Type	Door Material	Door Finish	Door Height	Door Width	Door Thickness	Hardware	Details Jamb	Details Head	Comments
EXISTING														
100-E1	NONE	F1	HM	MATCH NEW	WD	WD	MATCH NEW	7'-0"	3'-0"	1 3/4"	HW-02	(E)	(E)	PAINT CORRIDOR SIDE FRAME
101-E1	NONE	F1	HM	MATCH NEW	WD	WD	MATCH NEW	7'-0"	3'-10"	1 3/4"	HW-02	(E)	(E)	PAINT CORRIDOR SIDE FRAME
101-E2	NONE	F1	HM	MATCH NEW	WD	WD	MATCH NEW	7'-0"	3'-10"	1 3/4"	HW-02	(E)	(E)	PAINT CORRIDOR SIDE FRAME
105-E1	NONE	F1	HM	MATCH NEW	WD	WD	MATCH NEW	7'-0"	4'-0"	1 3/4"	HW-02	(E)	(E)	PAINT CORRIDOR SIDE FRAME
109-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	3'-0"	1 3/4"	HW-003	(E)	(E)	PAINT CORRIDOR SIDE FRAME
128-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	3'-8"	1 3/4"	HW-008	(E)	(E)	PAINT CORRIDOR SIDE FRAME
129-E1	NONE	F1	HM	MATCH NEW	WDLV	WD	MATCH NEW	7'-0"	3'-0"	1 3/4"	PASS THRU	(E)	(E)	PAINT CORRIDOR SIDE FRAME
129-E2	NONE	F1	HM	MATCH NEW	WDLV	WD	MATCH NEW	7'-0"	3'-0"	1 3/4"	PASS THRU	(E)	(E)	PAINT CORRIDOR SIDE FRAME
130-E1	1HR	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	4'-0"	1 3/4"	HW-008	(E)	(E)	PAINT CORRIDOR SIDE FRAME
131-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	3'-0"	1 3/4"	HW-02	(E)	(E)	PAINT CORRIDOR SIDE FRAME
132-E1	NONE	F1	HM	MATCH NEW	WD	WD	MATCH NEW	7'-0"	3'-4"	1 3/4"	HW-008	(E)	(E)	PAINT CORRIDOR SIDE FRAME
134-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	4'-0"	1 3/4"	HW-008	(E)	(E)	PAINT CORRIDOR SIDE FRAME
135-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	4'-0"	1 3/4"	HW-02	(E)	(E)	PAINT CORRIDOR SIDE FRAME
138-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	3'-0"	1 3/4"	HW-008	(E)	(E)	PAINT CORRIDOR SIDE FRAME
139-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	3'-8"	1 3/4"	HW-008	(E)	(E)	PAINT CORRIDOR SIDE FRAME
140-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	3'-8"	1 3/4"	HW-02	(E)	(E)	PAINT CORRIDOR SIDE FRAME
150-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	3'-8"	1 3/4"	HW-008	(E)	(E)	PAINT CORRIDOR SIDE FRAME
C04-E1	NONE	F1	HM	MATCH NEW	WDV	WD	MATCH NEW	7'-0"	7'-4"	1 3/4"	HW-008	(E)	(E)	PAINT CORRIDOR SIDE FRAME
C05-E1	2HR	(E)	(E)	PAINT	METAL	(E)	PAINT	7'-0"	3'-8"	1 3/4"	(E)	(E)	(E)	PAINT CORRIDOR SIDE FRAME

DOOR SCHEDULE AND TYPE

Drawing Name:

Scale: NTS

VA HEALTH CARE

VA PALO ALTO
HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION PAD

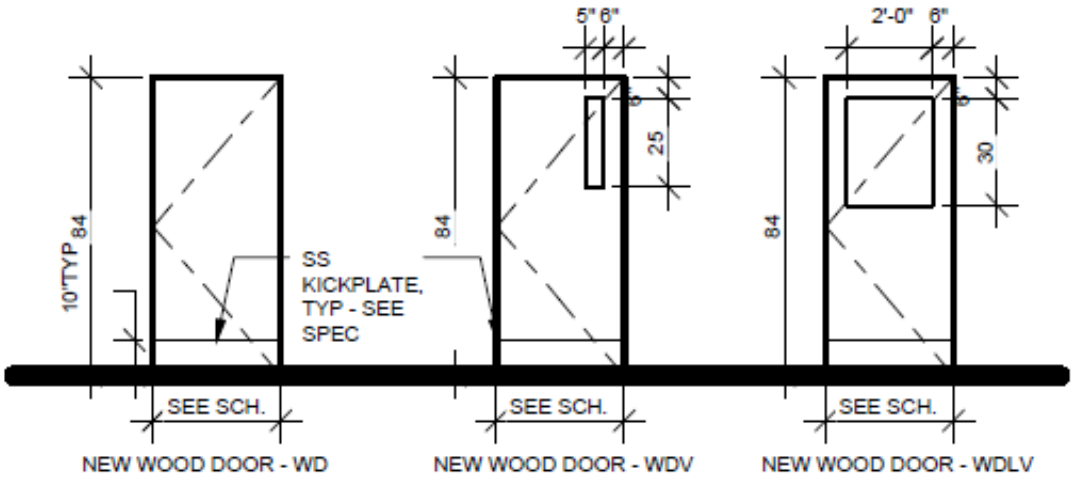
Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/24/14

Building: B100

FLOOR 2-B WING

Sht.No.:



DOOR SCHEDULE AND TYPE

Drawing Name:

Scale: NTS

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION **PAD**

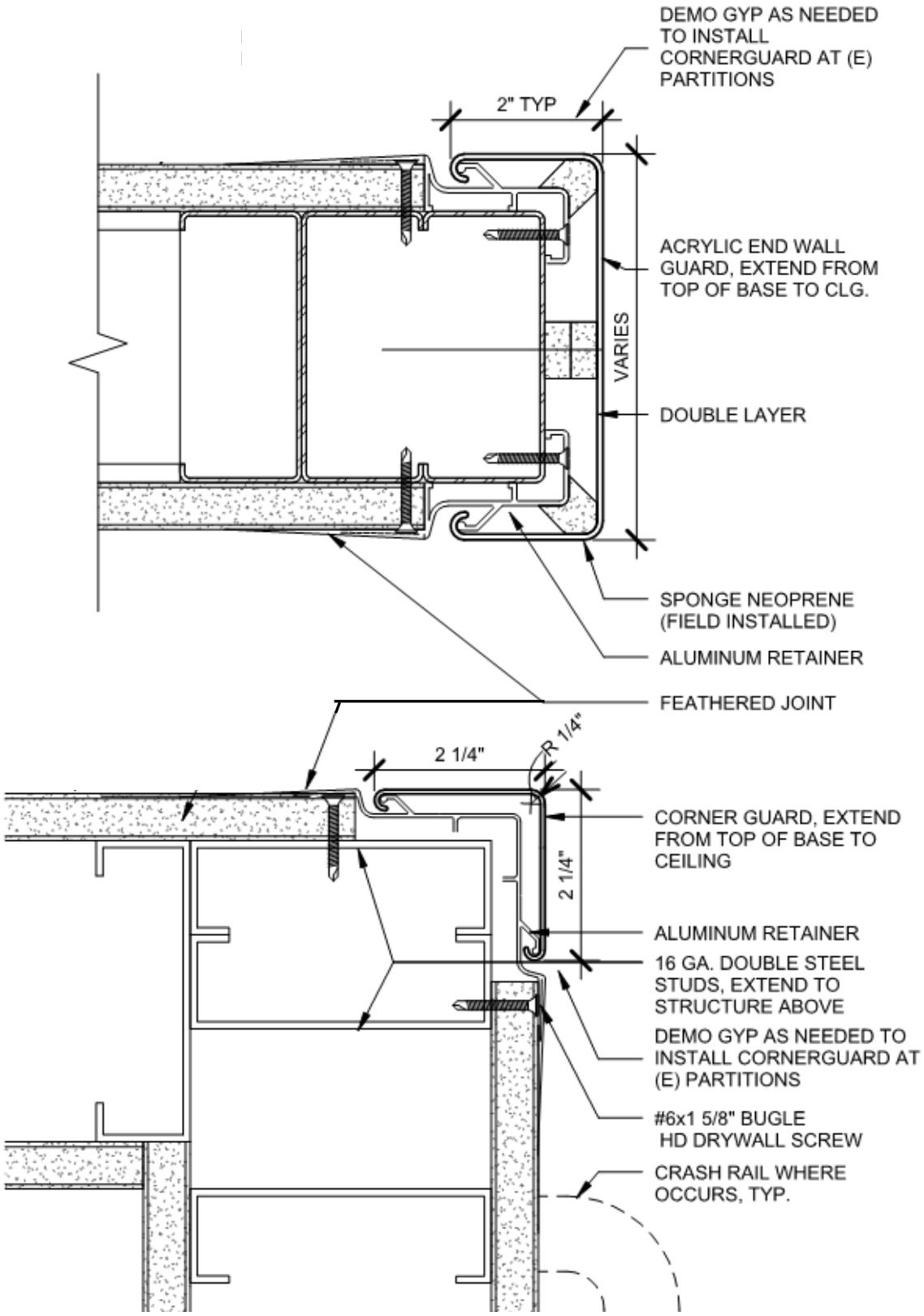
Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/24/14

Building: B100

FLOOR **2-B WING**

Sht.No.:

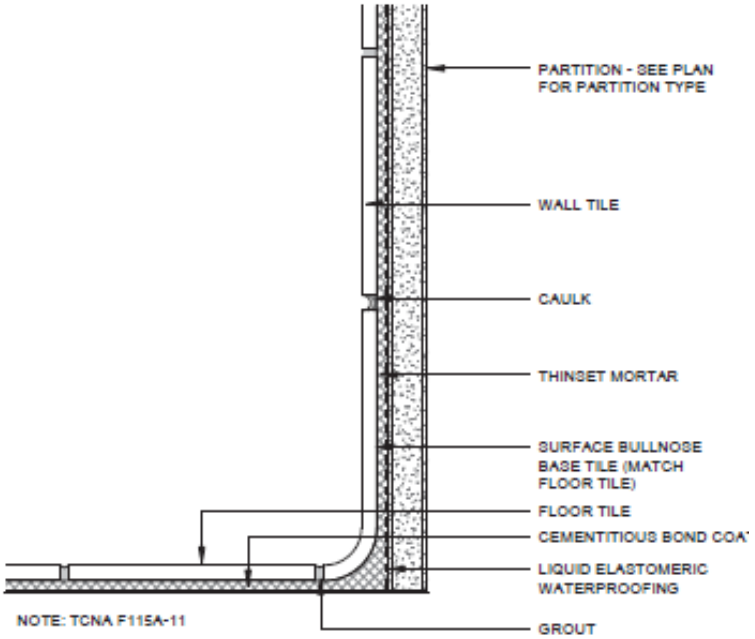


CORNER GUARDS

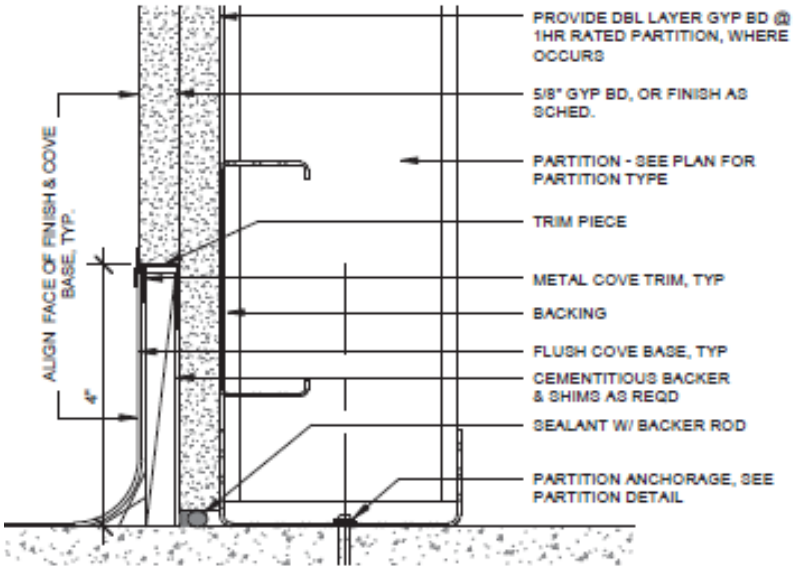
Drawing Name:

Scale: HALF-SIZE

VA HEALTH CARE **VA PALO ALTO HEALTHCARE SYSTEM** **STATION 640, PALO ALTO, CA.94304** DIVISION **PAD**	Project: **UPGRADE DIALYSIS FINISHES 640-15-136**		Date: **12/24/14**
	Building: **B100**	FLOOR **2-B WING**	Sht.No.: **SK-**



COVE @ CERAMIC TILE



TYPICAL FLUSH COVE BASE

COVE BASE DETAILS

Drawing Name:

Scale: NTS

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION **PAD**

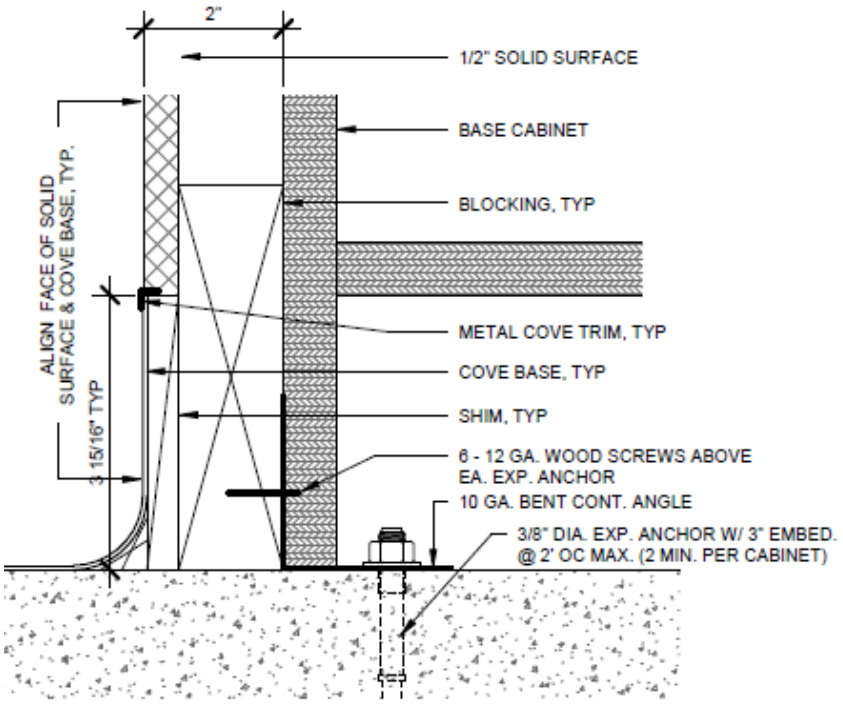
Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/24/14

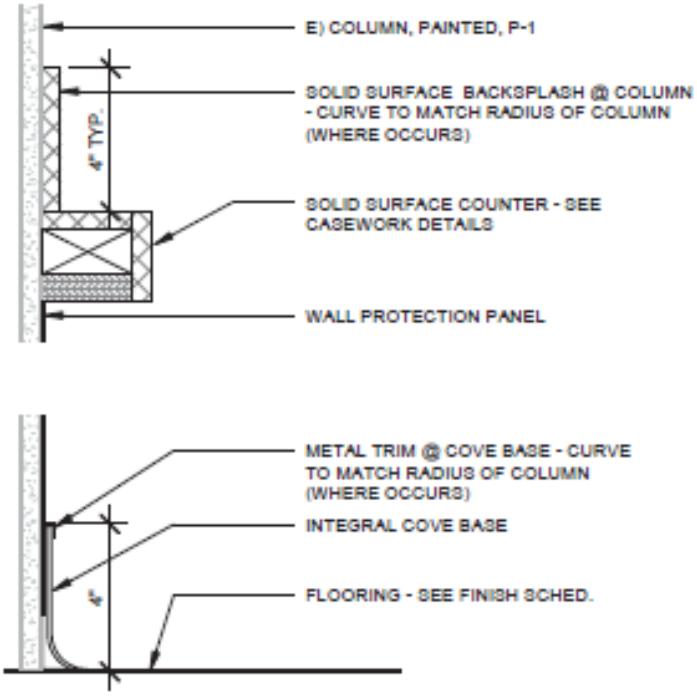
Building: B100

FLOOR **2-B WING**

Sht.No.:



FLUSH COVE BASE @ BASE CABINET



COVE BASE & BACKSPLASH @ COLUMN (SQUARE COLUMN SIM)

COVE BASE DETAILS

Drawing Name:

Scale: NTS

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION **PAD**

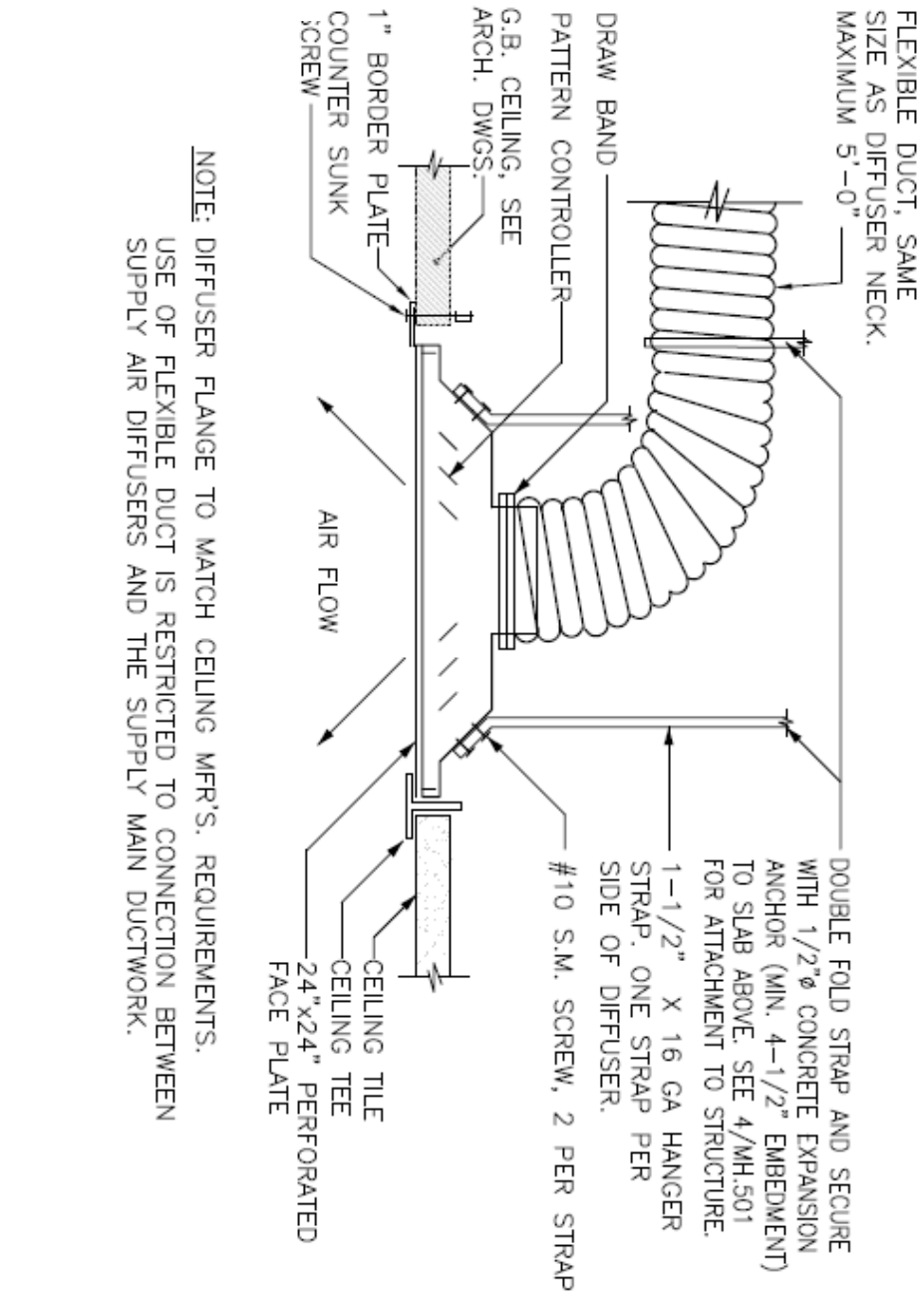
Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/24/14

Building: B100

FLOOR **2-B WING**

Sht.No.:



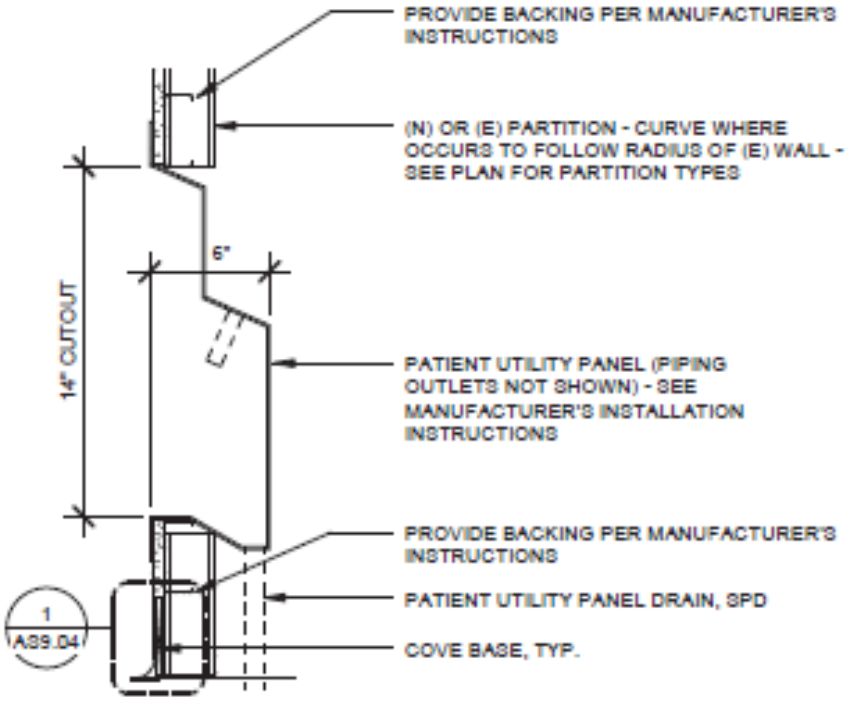
NOTE: DIFFUSER FLANGE TO MATCH CEILING MFR'S. REQUIREMENTS.
USE OF FLEXIBLE DUCT IS RESTRICTED TO CONNECTION BETWEEN SUPPLY AIR DIFFUSERS AND THE SUPPLY MAIN DUCTWORK.

DIFFUSER IN LAY-IN CEILING

Drawing Name:

Scale: N.T.S.

VA PALO ALTO HEALTHCARE SYSTEM **STATION 640, PALO ALTO, CA.94304** **DIVISION PAD**	**Project: UPGRADE DIALYSIS FINISHES** **640-15-136**	**Date:** **12/24/14**
	Building: **B100** **FLOOR 2-B WING**	**Sht.No.:**



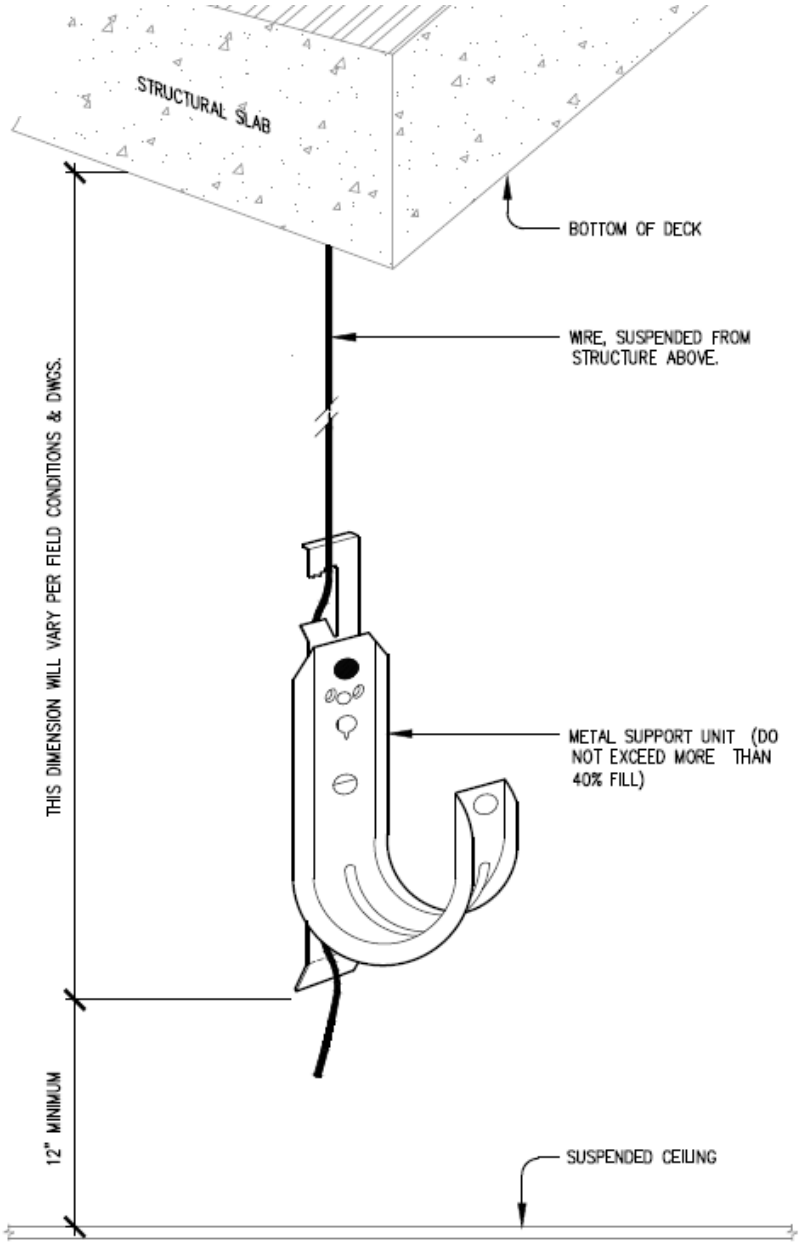
NOTE: COORDINATE REVERSE OSMOSIS PIPING IN WALL, SPD

REVERSE OSMOSIS PIPING IN WALL

Drawing Name:

Scale: NTS

VA PALO ALTO HEALTHCARE SYSTEM STATION 640, PALO ALTO, CA.94304 DIVISION PAD	Project: UPGRADE DIALYSIS FINISHES 640-15-136	Date: 12/24/14
	Building: B100 FLOOR 2-B WING	Sht.No.:



NOTES:
1. SPACE CABLE HANGERS A MAXIMUM 5'-0" ON CENTER WITHIN LAYOUT SHOWN ON FLOOR PLANS.
2. SECURE CABLE HANGER TO DECK USING APPROPRIATE FASTENERS TO MEET LOCAL SEISMIC CODES.
3. REFER TO STRUCTURAL DRAWINGS FOR DECK TYPE. SHOWN HERE FOR CLARITY ONLY.
4. REFER TO ARCHITECTURAL DRAWINGS FOR SUSPENDED CEILING TYPE. SHOWN HERE FOR CLARITY ONLY.

SINGLE OUTLET CABLE HANGER

Drawing Name:

Scale: N.T.S.

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION PAD

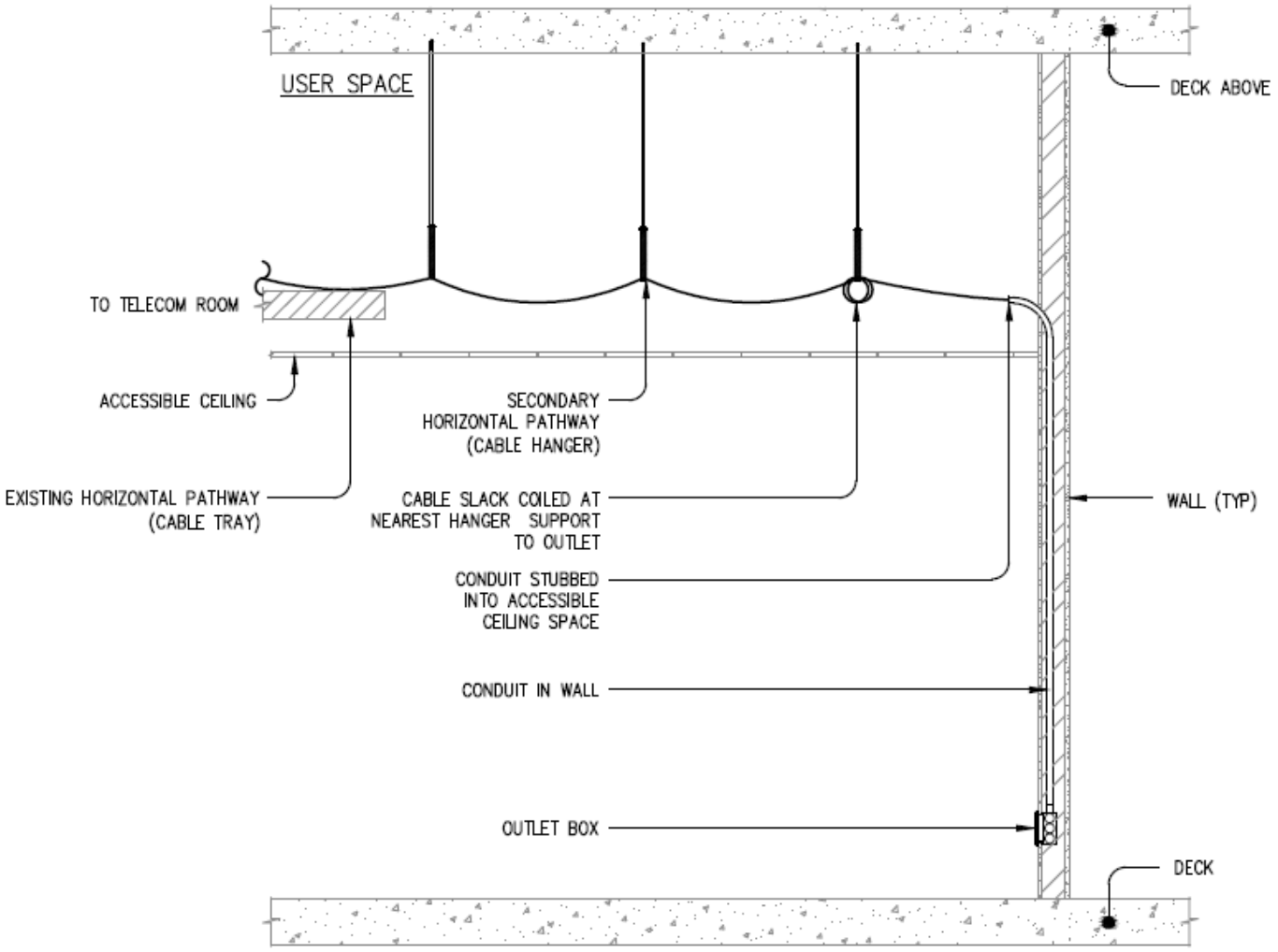
Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/24/14

Building: B100

FLOOR 2-B WING

Sht.No.:



HORIZONTAL CABLE ROUTING

Drawing Name:

Scale: N.T.S.

VA PALO ALTO HEALTHCARE SYSTEM **STATION 640, PALO ALTO, CA.94304** **DIVISION PAD**	**Project: UPGRADE DIALYSIS FINISHES 640-15-136** **Building: B100** **FLOOR 2-B WING**	**Date: 12/24/14** **Sht.No.:**

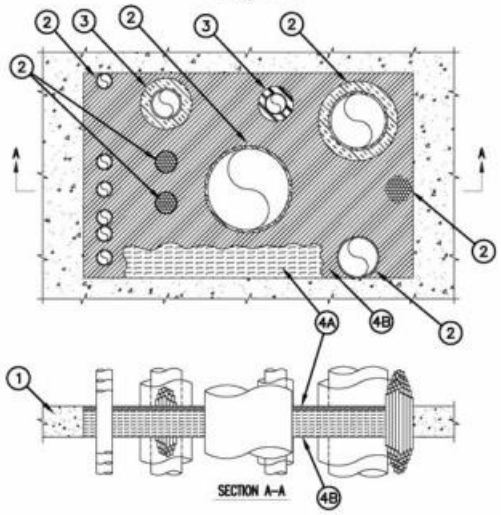
DETAIL – UL SYSTEM ONE CONDUIT PENETRATION THROUGH FIRE RATED WALL

Drawing Name:

Scale: N.T.S.

VA PALO ALTO HEALTHCARE SYSTEM STATION 640, PALO ALTO, CA.94304 DIVISION PAD	Project: UPGRADE DIALYSIS FINISHES 640-15-136	Date: 12/24/14
	Building: B100 FLOOR 2-B WING	Sht.No.:

System No. C-AJ-8143
F Rating – 2 Hr
T Rating – 0 Hr



1. Floor or Wall Assembly – Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100–150 pcf or 1600–2400 kg/m3) concrete floor. Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100–150 pcf or 1600–2400 kg/m3) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max size of opening is 1440 in.2 (9,290 cm2) with a max dimension of 48 in. (1219 mm).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through-Penetrant – One or more pipes, tubes or cable bundles to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces are maintained. The annular space between individual cables and cable bundles shall be a min 1/2 in. (13 mm). The annular space between individual cables and cable bundles and other penetrants shall be a min 1/2 in. (13 mm) except that a min 2 in. (51 mm) shall be maintained between the cables and copper pipes and tubes greater than a nom 3 in. (76 mm) diam and steel and iron pipes and conduits greater than a nom 4 in. (102 mm) diam. The annular space between metallic pipes, conduit and tubes and insulated pipes and tubes shall be a min 2 in. (51 mm). The annular space between nom 3 in (76mm) diam (and smaller) copper pipes and tubes and between nom 4 in (102mm) diam (and smaller) steel and iron pipes and conduits shall be a min. 1/2" (13 mm). The annular space between nom 2 in. (51 mm) diam (and smaller) metallic pipes and conduits shall be a min 0 in. (0 mm). The annular space between insulated penetrants and the periphery of opening shall be a min 1/2 in. (13 mm). The annular space between all other penetrants and the periphery of opening shall be a min 0 in. (0 mm) (point contact). A max annular space in the system shall be 12 in. (305 mm). Penetrants to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrants may be used.
   A. The following types of metallic pipes, tubes or conduits may be used:
      1. Copper Tubing – Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube.
      2. Copper Pipe – Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
      3. Steel Pipe – Nom 24 in. (610 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
      4. Iron Pipe – Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.
      5. Conduit – Nom 4 in. (102 mm) diam (or smaller) electric metallic tubing (EMT) or nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.
   B. Cables Bundles – Max 4 in. (102 mm) diam tightly bundled cables. Any combination of the following types and sizes of cables may be used:
      1. Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
      2. Max 300 pair No. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.
      3. Max 7/C copper conductor No. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
      4. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
      5. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.
   C. Individual Cables – Any of the following types and sizes of individual (non-bundled) cables may be used:
      1. Max 3/C No. 2/0 AWG (or smaller) copper conductor PVC jacketed aluminum clad or steel clad TECK 90 cable.
      2. Through Penetrating Product* – Any cables, Armored Cable+ or Metal Clad Cable+ currently Classified under the Through Penetrating Product category.
         See Through Penetrating Product (XHLT) category in the Fire Resistance Directory for names of manufacturers.
      3. Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
      4. Max 300 pair No. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.
      5. Max 7/C copper conductor No. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
      6. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
      7. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.
      8. Max 4C/750 kcmil (or smaller) aluminum or copper conductor metal clad cable with aluminum or steel armor, with or without PVC jacket.

3. Pipe Insulation – (Optional) – Pipes and tubes of the sizes noted below may be provided with one of the following types of pipe insulations:
   A. Pipe Covering* – Nom 1-1/2 in. (38 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes with a nom diam of 8 in. (203 mm) (or smaller) or tubes with a nom diam of 4 in. (102 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering – Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   B. Pipe Covering* – Nom 2 in. (51 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering – Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   C. Tube Insulation-Plastics+ – Nom 1 in. (25 mm) thick (or thinner) acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller).
   See Plastics (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

4. Firestop System – The firestop system shall consist of the following:
   A. Packing Material – Min 4 in. (102 mm) thickness of 4 pcf (64 kg/m3) mineral wool batt insulation tightly packed into the opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material – Sealant* – Min 1/2 in. (13 mm) thickness of fill material applied within the annulus flush with the top surface of the floor or both surfaces of the wall.
      HILTI CONSTRUCTION CHEMICALS, DIV OF
      HILTI INC – FS-ONE Sealant

*Bearing the UL Classification Mark

UL C-AJ-8143 FLOOR PENETRATIONS

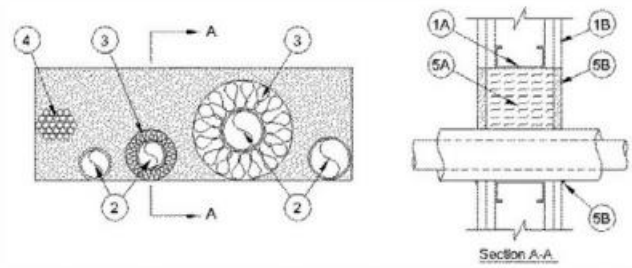
VA HEALTH CARE	**VA PALO ALTO HEALTHCARE SYSTEM** STATION 640, PALO ALTO, CA.94304 DIVISION **PAD**	Project: **UPGRADE DIALYSIS FINISHES 640-15-136**	Date: **12/24/14**
		Building: **B100** FLOOR **2-B WING**	Sht.No.: **SK-**

System No. W-L-8065

October 08, 2007

F Ratings — 1 and 2 Hr (See Item 1)

T Rating — 0 Hr



Section A-A

1. **Wall Assembly** — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or channel shaped steel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Additional framing members shall be installed in stud cavity containing through-penetrating item to form a rectangular box around the penetrants.

B. **Gypsum Board*** — 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Wall and Partition Design. If the through penetrants are installed in a wood stud/gypsum board assembly, the max area of opening is 116 in.2 (748 cm^2). with max dimension of 14-1/2 in. (368 mm). If the through penetrants are installed in a steel stud/gypsum board assembly, max area of opening is 182 in2. (1174 cm^2) with max dimension of 22-3/4 in. (578 mm) wide.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Through-Penetrant** — One or more pipes, conduit or tubes to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and the types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacing between the through penetrants are maintained. The separation between the penetrants shall be min 1 in. (25 mm) to max 22 in. (560 mm). The annular space between penetrants and the periphery of opening shall be min 0 in. (0 mm, point contact) to max 22 in. (560 mm). Pipes, conduit or tubes to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes, conduit or tubes may be used.

A. **Copper Tubing** — Nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tube.

B. **Copper Pipe** — Nom 3 in. (76 mm) diam (or smaller) Regular (or heavier) copper pipe.

C. **Steel Pipe** — Nom 3 in. (76 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

D. **Iron Pipe** — Nom 3 in. (76 mm) diam (or smaller) cast or ductile iron pipe.

E. **Conduit** — Nom 3 in. (76 mm) diam (or smaller) electric metallic tubing (EMT) or rigid steel conduit.

F. **Polyvinyl Chloride (PVC) Pipe** — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.

G. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 2 in. (51 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

H. **Rigid Nonmetallic Conduit (RNC)+** — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Articles 347 and 710 of the National Electrical Code (NFPA No. 70).

I. **Cross Linked Polyethylene Tubing** — Nom 1 in. (25 mm) diam (or smaller) cross-linked polyethylene tubing for use in closed (process or supply) piping systems.

3. **Pipe Insulation** — One or more metallic penetrants (pipe or tubing) may be insulated with the following types of pipe coverings:

A. **Pipe Covering*** — Min 1 in. (25 mm) to max 2 in. (51 mm) thick hollow cylindrical heavy density min 3.5 pcf (56 kg/m^3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

See **Pipe and Equipment Covering - Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

B. **Tube Insulation-Plastics+** — Min 1/2 in. (13 mm) to max 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing.

See **Plastics+** (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

C. **Pipe Covering Materials*** — Min 1 in. (25 mm) to max 2 in. (51 mm) thick unfaced mineral fiber pipe insulation having a nom density of 3.5 pcf (56 kg/m^3) or heavier and sized to fit the outside diam of pipe or tube. Pipe insulation secured with min 18 SWG steel wire spaced 12 in. (305 mm) OC.

IIG MINWOOL L L C — High Temperature Pipe Insulation 1200, High Temperature Pipe Insulation BWT and High Temperature Pipe Insulation Thermaloc

C1. **Sheathing Material** — (Not shown) — Optional, used in conjunction with Item 3C. Foil-scrim-kraft or all service jacket material shall be wrapped around the outer circumference of the pipe covering material (Item 3B) with the kraft side exposed. Longitudinal joints sealed with metal fasteners.

See **Sheathing Materials** (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread value of 25 or less and a Smoke Developed value of 50 or less may be used.

The annular space between the insulated penetrants and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 5 in. (127 mm). The separation between the insulated penetrants and the other penetrants shall be a min 1 in. (25 mm) to max 22 in. (560 mm).

4. **Cables** — One max 3 in. (76 mm) diam bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The annular space between the tightly-bundled cables and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 5 in. (127 mm). The separation between the cable bundle and the other penetrants shall be min 1 in. (25 mm) to max 22 in. (560 mm). Any combination of the following types and sizes of cables may be used:

A. Max 25 pair No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.

B. Max 7/C No. 12 AWG copper conductor power and control cable with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.

C. Multiple fiber optical communication cable jacketed with PVC and having a max outside diam of 1/2 in. (13 mm).

D. Max 3/C No. 8 AWG with bare aluminum ground, PVC insulated steel Metal-Clad+ Cable currently Classified under the **Through Penetrating Product*** (XHLY) category.

E. Max 3/C (with ground) No. 12 AWG (or smaller) nonmetallic sheathed (Romex) cable with PVC insulation and jacket materials.

F. RG/U coaxial cable with polyethylene (PE) insulation and polyvinyl chloride (PVC) jacket having a max outside diam of 1/2 in. (13 mm).

5. **Firestop System** — The firestop system shall consist of the following:

A. **Packing Material** — In 2 hr fire rated wall assemblies, min 4-3/4 in. (121 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. In 1 hr fire rated wall assemblies, min 3-1/2 in. (89 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material recessed from both surfaces of the wall to accommodate the required thickness of fill material.

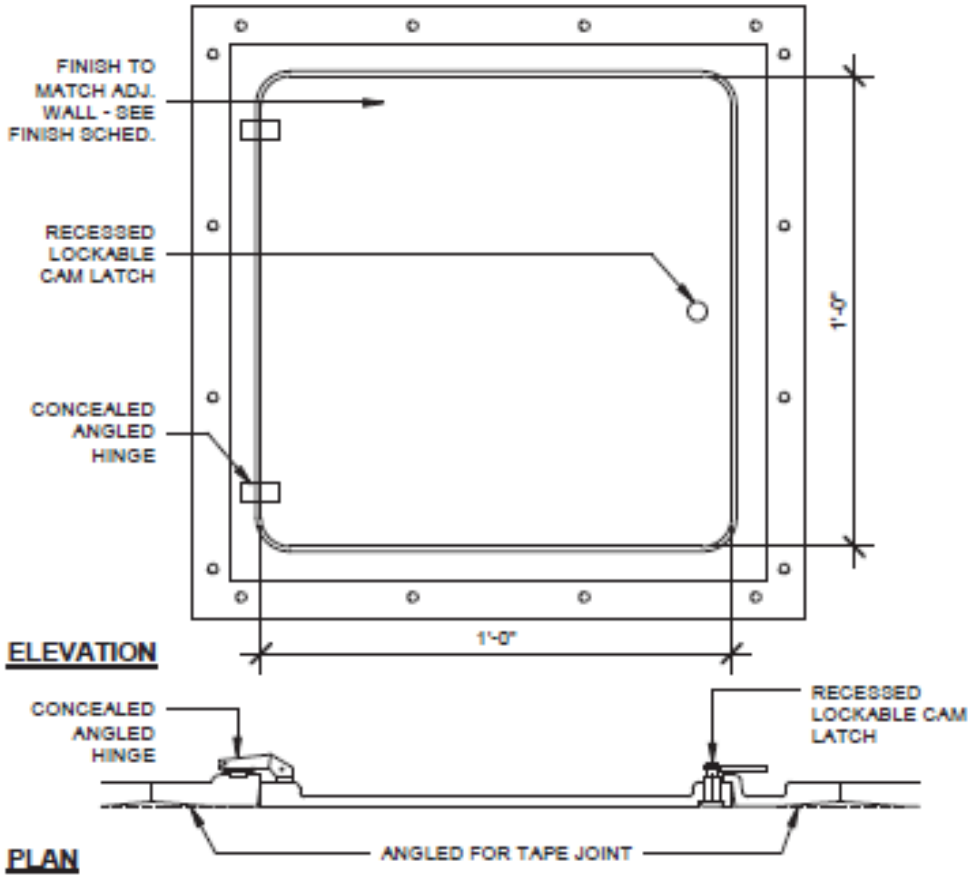
B. **Fill, Void or Cavity Material* — Sealant** — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At the point contact location between through penetrants and gypsum board, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-ONE Sealant

UL DESIGN NO W-L-8065

VA HEALTH CARE	**VA PALO ALTO HEALTHCARE SYSTEM** STATION 640, PALO ALTO, CA.94304 DIVISION **PAD**	Project: **UPGRADE DIALYSIS FINISHES 640-15-136**	Date: **12/24/14**
		Building: **B100** FLOOR **2-B WING**	Sht.No.: **SK-**



WALL ACCESS PANEL

Drawing Name:

Scale: NTS

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM

STATION 640, PALO ALTO, CA.94304

DIVISION PAD

Project: UPGRADE DIALYSIS FINISHES 640-15-136

Date: 12/24/14

Building: B100

FLOOR 2-B WING

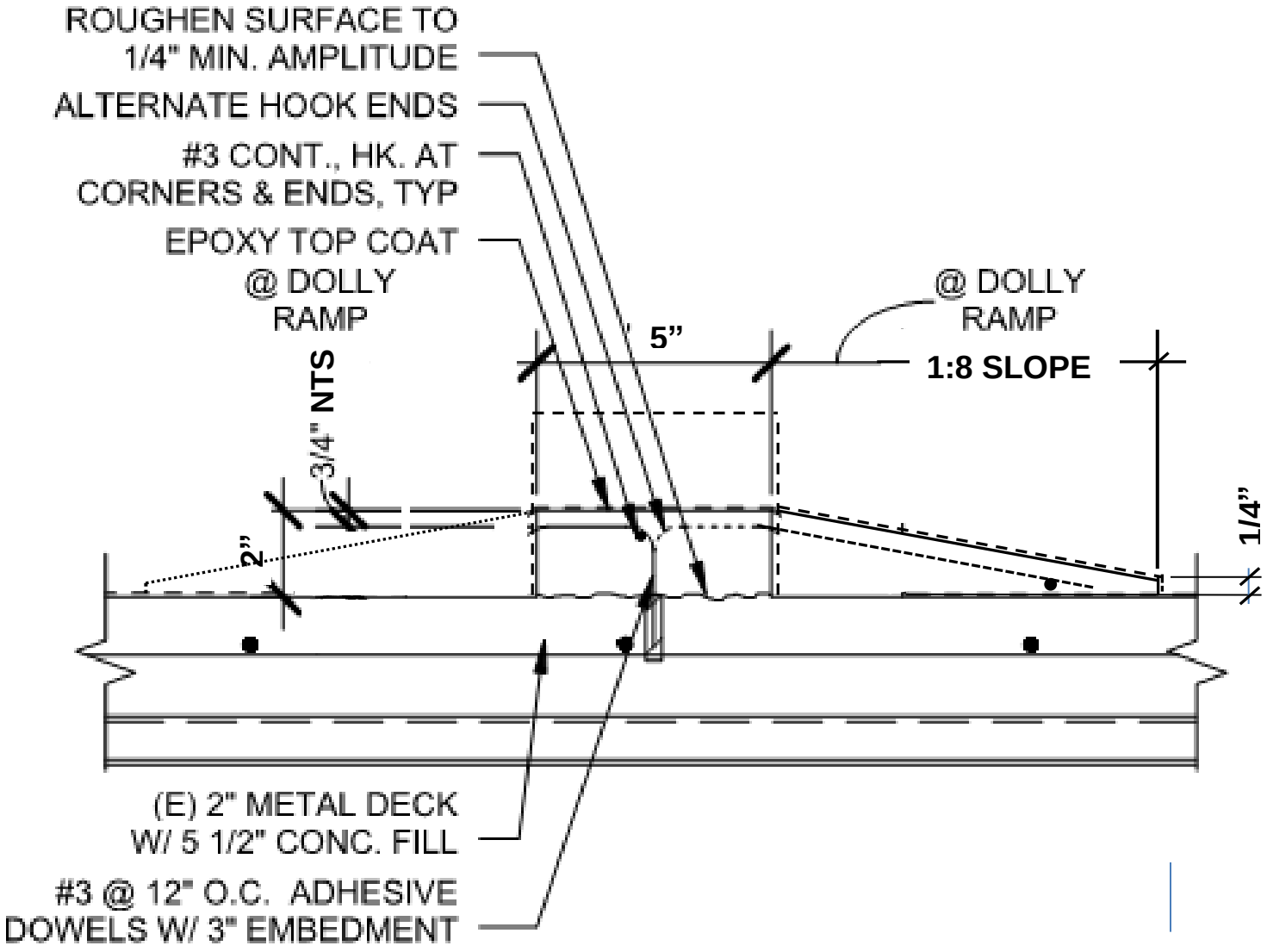
Sht.No.:

NOTES

1. COORDINATE REINF. LOCATIONS TO AVOID INTERFERENCE WITH INSTALLATION OF ADHESIVE DOWELS.

2. ADHESIVE DOWELS SHOULD HAVE A CURRENT ICC-ES REPORT APPROVED FOR CRACKED CONCRETE.

3. PROVIDE CONCRETE WITH f'c = 3000 PSI



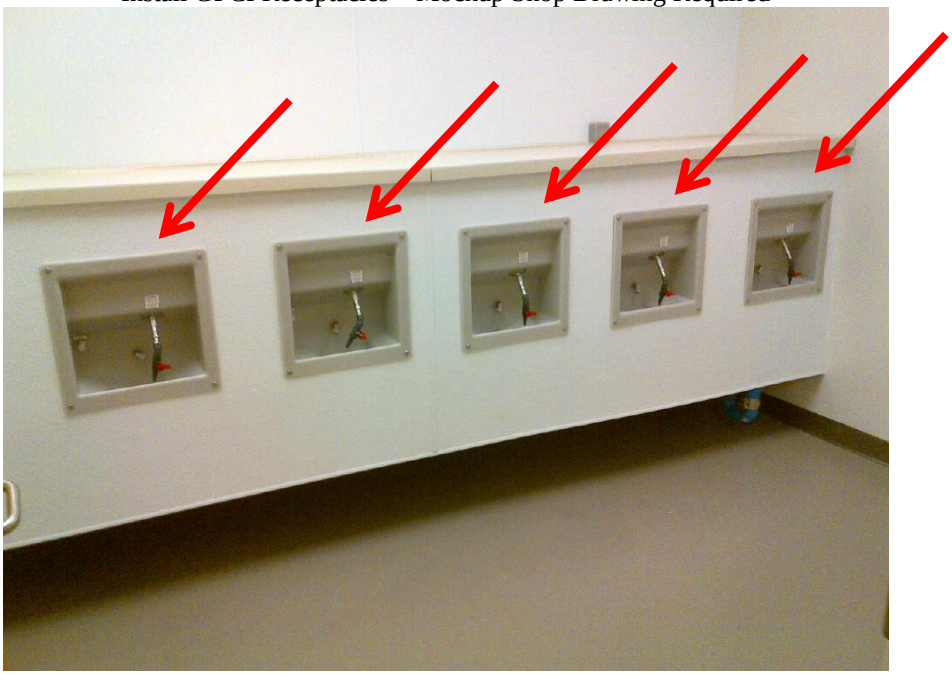
POST-INSTALLED CONCRETE CURB

Drawing Name:

Scale: 1-1/2"=1'-0"

VA HEALTH CARE **VA PALO ALTO HEALTHCARE SYSTEM** STATION 640, PALO ALTO, CA.94304 DIVISION **PAD**	Project: **UPGRADE DIALYSIS FINISHES 640-15-136**		Date: **12/24/14**
	Building: **B100**	FLOOR **2-B WING**	Sht.No.: **SK-**

Install GFCI Receptacles – Mockup Shop Drawing Required



Counter Top Match to Dialysis Cubicle Finishes and Finishes to Match Cubicle Style

B138 PHOTOS AND ELECTRICAL NEEDS

Drawing Name:

Scale: NTS

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION PAD

Project: UPGRADE DIALYSIS FINISHES 640-15-136	**Date:** 12/24/14
Building: B100 **FLOOR** 2-B WING	**Sht.No.:**

Under Counter Condition – Demo out and install single dedicated receptacles. See SOW.

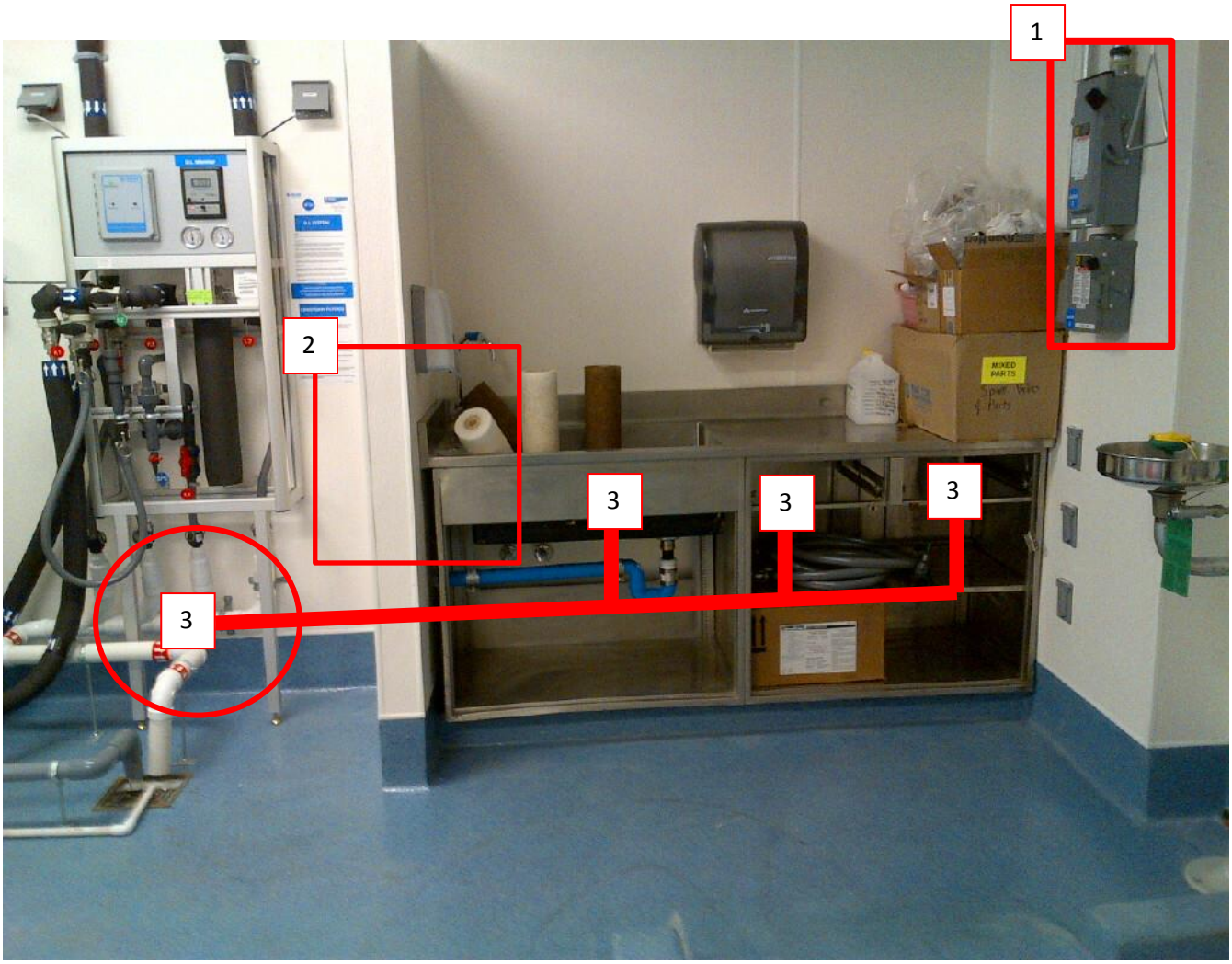
Example of Utility to Cap and Remove

B138 PHOTOS AND ELECTRICAL NEEDS

Drawing Name:

Scale: NTS

VA HEALTH CARE **VA PALO ALTO HEALTHCARE SYSTEM** **STATION 640, PALO ALTO, CA.94304** **DIVISION PAD**	**Project:** UPGRADE DIALYSIS FINISHES 640-15-136		**Date:** 12/24/14
	Building: B100	**FLOOR** 2-B WING	**Sht.No.:**



1. Relocate Disconnects
2. Remove Casework and Standardize Wall Base/Flooring Ect. Install new 12x12 S.S. sink and hardware near R.O. equipment
3. Install new drainage piping similar to what is shown in red circle for R.O. machines

B150 PHOTOS AND NEEDS

Drawing Name:

Scale: NTS

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION **PAD**

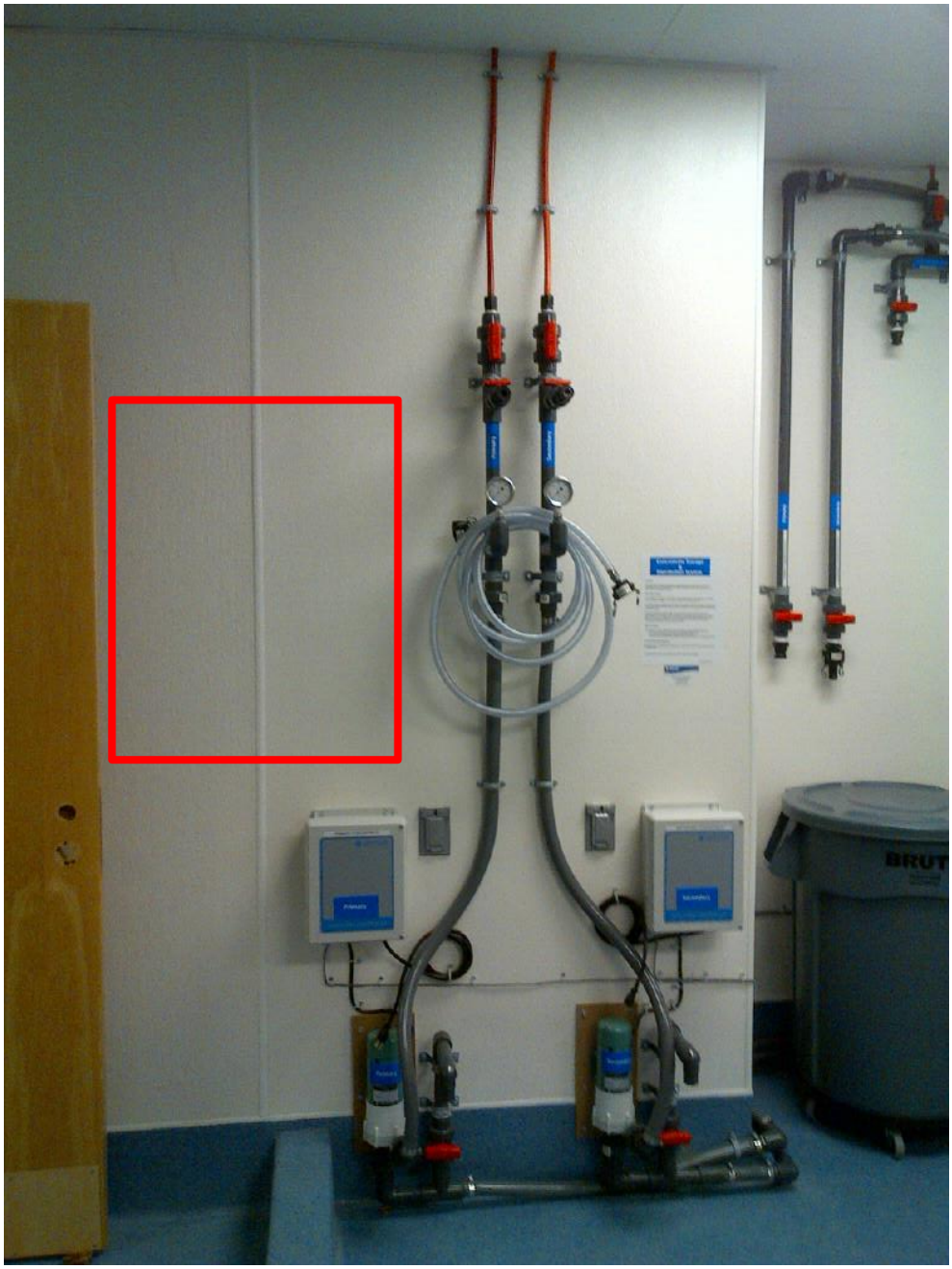
Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/24/14

Building: B100

FLOOR **2-B WING**

Sht.No.:



Disconnect Relocation – Replace with NEMA-3R Boxes

B150 PHOTOS AND NEEDS

Drawing Name:

Scale: NTS

VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM
STATION 640, PALO ALTO, CA.94304
DIVISION **PAD**

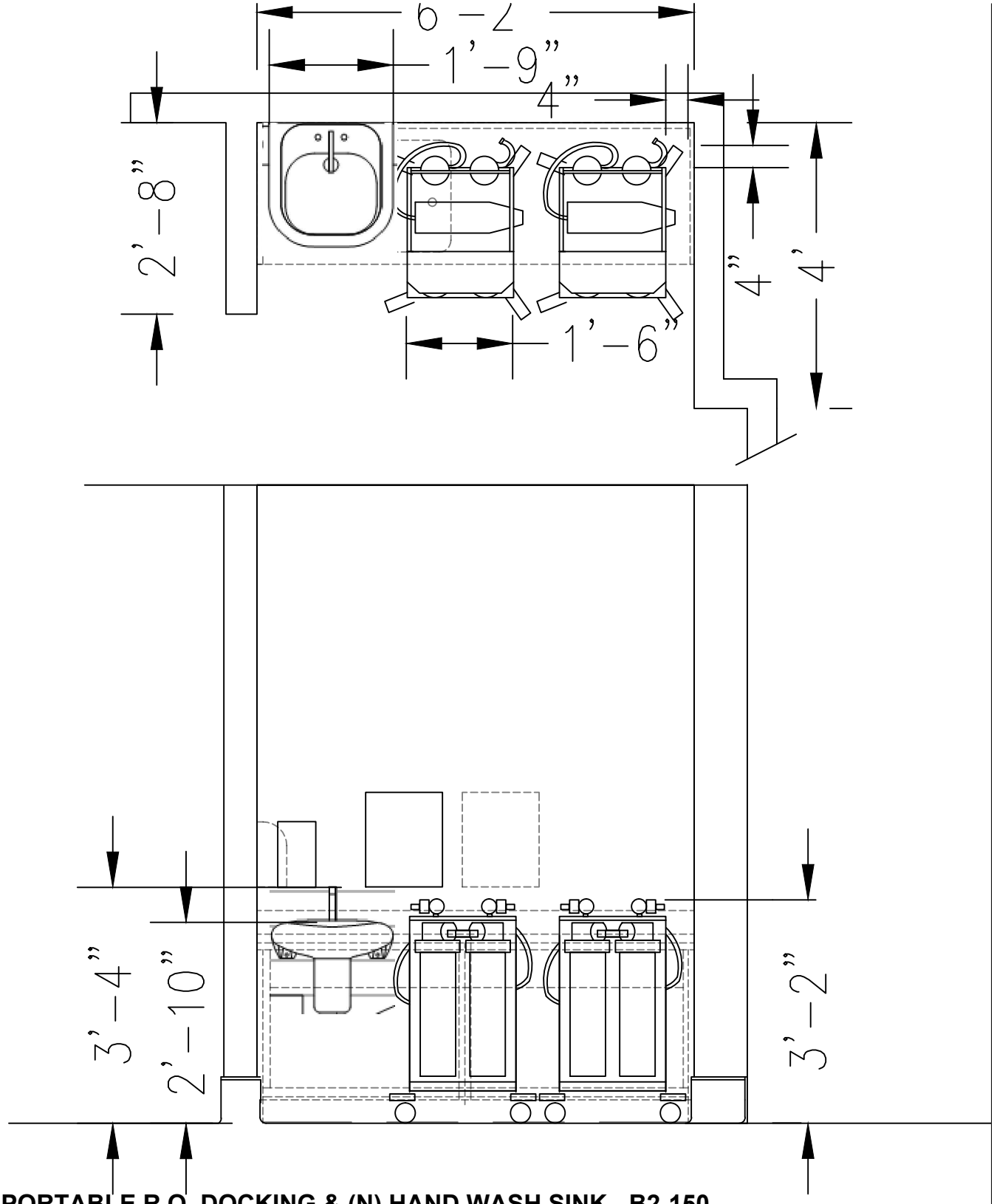
Project: UPGRADE DIALYSIS FINISHES
640-15-136

Date: 12/24/14

Building: B100

FLOOR **2-B WING**

Sht.No.:



PORTABLE R.O. DOCKING & (N) HAND WASH SINK - B2-150

Drawing Name:

Scale: 1/2"=1'-0"

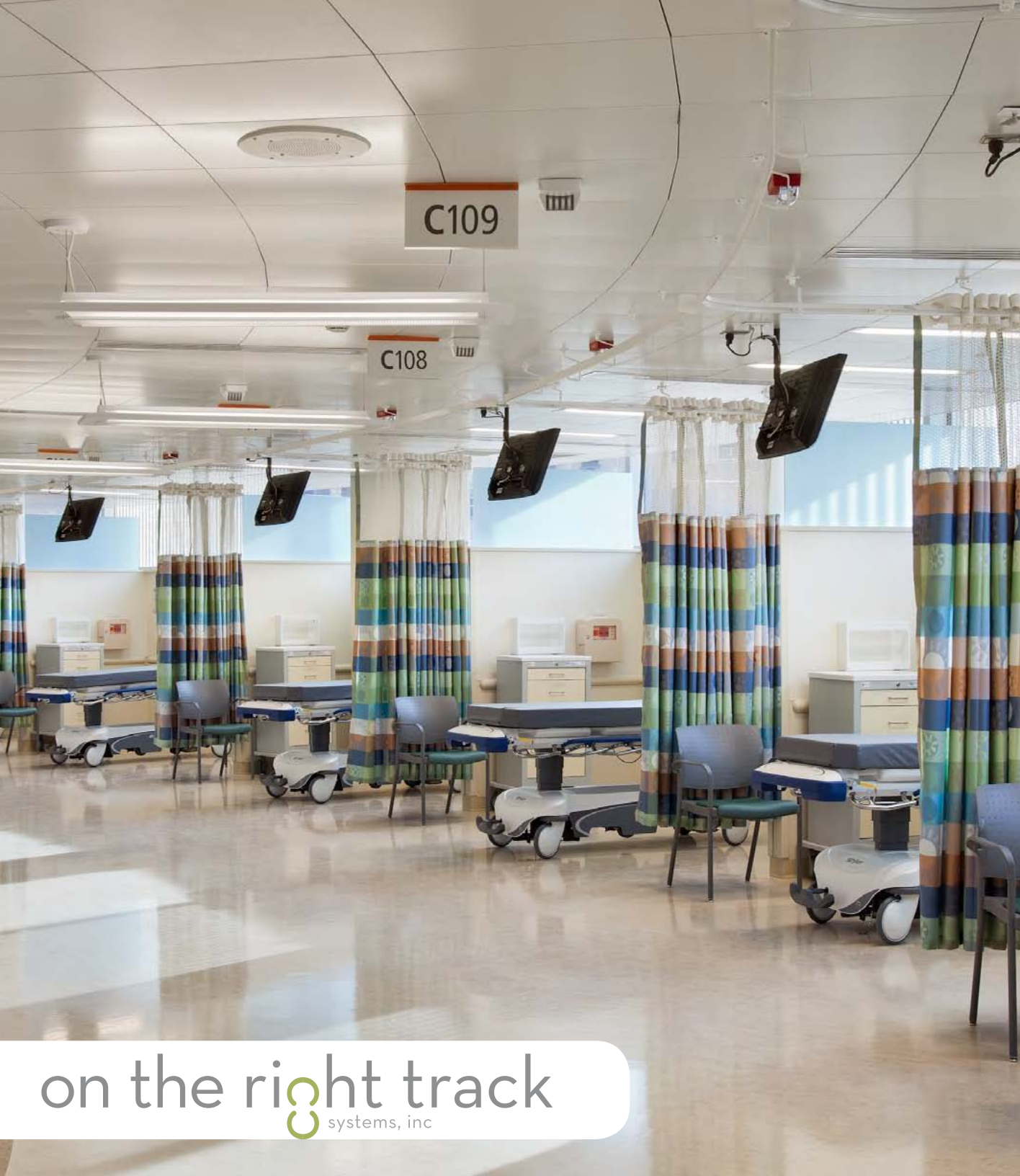
VA HEALTH CARE

VA PALO ALTO HEALTHCARE SYSTEM

STATION 640, PALO ALTO, CA. 94304

DIVISION PAD

Project: UPGRADE DIALYSIS FINISHES 640-15-136	**Date:** 1/7/15
Building: B100 FLOOR B100	**Sht. No.:**



on the right track
systems, inc

The Hand Shield™

Regrettably there is no one single solution to the massive issue involving HAI's and the associated liabilities within the healthcare community. We believe that a measured approach with a variety of products presently makes the most sense. Very few experts will argue that hand contact is a leading source of contamination and infection transmission within the patient room. Clinical studies have proven that the leading edges of a cubicle curtain, for example, are re-infected with dangerous bacteria within a week of laundering[1].

However washing cubicle curtains between each patient discharge is unrealistic due to cost, manpower issues and time constraints. A practical, convenient solution is now available. The Hand Shield™ can significantly reduce the likelihood of infection transmission at a reasonable cost per day and it provides the patient with an improved perception of cleanliness which will likely help to increase HCAHPS scores.

The Hand Shield™ is a patented[2] disposable that can be used on any cubicle curtain regardless of make or manufacturer. It is secured through the mesh and its adhesive edges will not damage any textile product.

[1] "Hospital Privacy Curtains are Frequently and Rapidly Contaminated with Potentially pathogenic Bacteria." The American Journal of Infection Control. Copyright © 2012 Elsevier Inc. April 1, 2012. <www.ajicjournal.org/article/S0196-6553(12)00070-3>.

[2] US Patent Number US 7,989,046 B2

HOOKLESS® Shower Curtains for Healthcare exclusively from ON THE RIGHT TRACK®

The amazing Hookless® shower curtain does everything far better than any old-fashioned shower curtain ever could.

Hookless®

The patented "Flex-On®" rings allow for the curtain to simply pop right over the rod in just seconds!

The Hookless® shower curtain first appeared 10 years ago and was marketed exclusively to the hospitality industry. Today, the Hookless® shower curtain owns a 60%+ share in the Hospitality Industry and has recently expanded into the retail sector successfully. On the Right Track® is the *exclusive* manufacturer of Hookless® shower curtains for the healthcare industry.

Vinyl

VISION

description: Eight gauge vinyl, magnets, anti-microbially treated, matching color rings, clear window allows light into the enclosure

item number and sizes:

OHBH08VIS05	8-GA Vinyl Vision Beige SC 71 x 74

PINDOT

description: Eight gauge vinyl, magnets, anti-microbially treated, matching color rings

item number and sizes:

OHBH04PDT01	Pindot Vinyl White 71 x 74
OHBH04PDT01SX	Pindot Vinyl White 42 x 74
OHBH04PDT05	Pindot Vinyl Beige 71 x 74
OHBH04PDT05SX	Pindot Vinyl Beige 42 x 74
OHBH04PDT01X	Pindot Vinyl White 71 x 80
OHBHT04PDT05X	Pindot Vinyl Beige 71 x 80 [OTRT Rings]

mystery chrome rings

description: 100% polyester [recycled 100% PET polyester option] , water repellent, ultrasonic bottom hem, magnets, no liner required, sheer voile window allows extra light into the enclosure, launderable, quick dry

item number and sizes:

OHBH49MF05S
Mystery Beige 42 x 74 Chrome Rings

ORBH49MYS05SRS
Mystery Beige 71 x 74 Chrome Rings

OHBH49MF33S
Mystery Blue 42 x 74 Chrome Rings

ORBH49MYS33SRS
Mystery Blue 71 x 74 Chrome Rings

OHBH49MF36S
Mystery Sage 42 x 74 Chrome Rings

ORBH49MYS36SRS
Mystery Sage 71 x 74 Chrome Rings

ORBH49MYS01SRS
Mystery White 71 x 74 Chrome Rings

OHBH4R4M05
Mystery Englewood Recycled PET Beige 71 x 74

THE MAJOR

description: 100% polyester, woodgrain patterned fabric with vinyl bubble window, water repellent, no liner required, launderable, quick dry

item number and sizes:

OHBH41BUB05WS The Major Beige 71 x 74

LITCHFIELD

description: 100% polyester, water repellent, ultrasonic bottom hem, magnets, no liner required, launderable, quick dry

item number and sizes:

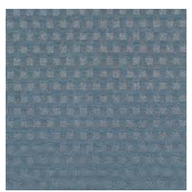
OHBH43LIT01Litchfield White Fabric 71 x 74

OHBH43LIT01SXLitchfield White Fabric 42 x 74

OHBH43LIT05 Litchfield Beige Fabric 71 x 74

OHBH43LIT05SX Litchfield Beige Fabric 42 x 74

FIRE RETARDANT



description:
100% polyester dobby pattern, water repellent, fire retardant, compliant with NFPA 701 regulations, launderable, quick dry

item number and sizes:

OHBH01B1054274 Mini Squares Beige 42 x 74

OHBH01B1057174 Mini Squares Beige 71 x 74

OHBH01B1354274 Mini Squares Blue 42 x 74

OHBH01B1357174 Mini Squares Blue 71 x 74

OHBH01B1554274 Mini Squares Sage 42 x 74

OHBH01B1557174 Mini Squares Sage 71 x 74

The Hookless® Transfer BenchBuddy™ is a brand new patented product invented by an Occupational Therapist. It is designed for optimal compatibility with all tub transfer benches and maximum safety from slips and falls. The shower curtain can remain inside the tub and keep water off the bathroom floor while the client is showering. The Hookless® feature provides the convenience of ten second attachment and removal. All of these features have created a much safer and convenient environment for client and staff.

WHITAKER

description:
100% polyester rectangular jacquard pattern, water repellent, ultrasonic bottom hem, magnets, no liner required, sheer voile window allows extra light into the enclosure, launderable, quick dry

item number and sizes:
OHBH43TBM01 Whitaker White 71 x 72

OHBH43TBM05 Whitaker Beige 71 x 72

SIMPLICITY

description:
100% polyester plainweave pattern, water repellent, ultrasonic bottom hem, magnets, no liner required, launderable, quick dry

item number and sizes:
OHBH40TB01 Simplicity White 71 x 72

OHBH40TB05 Simplicity Beige 71 x 72

US Patent Number 7,761,935

On The Right Track® Cubicle Curtains

Our Track

Works seamlessly with our patented split ring technology and can be installed directly into any ceiling or can be retrofitted into an existing old fashioned track. Our rail has supports every two feet and is made from powder coated aluminum. We have multiple pre-bent curves that we offer in addition to custom sized bends. Our track can also be dropped up to 18 inches with pole extensions that will allow you to have one universal curtain height for your entire facility if you so choose.

The Textiles

Disposables. Stock. Custom. Ours or yours means exactly what it says. With multiple company owned workrooms throughout the USA, we can fabricate the finished product quickly and efficiently. We work with all the major textile manufacturers and can provide you with the completed panel. Anti-microbial. Fire Retardant. Recycled Polyester. NFPA 701/CA Title 19 compliant.

The Grabber®

This unique accessory enables you to exchange our cubicle curtains effortlessly without the use of a ladder. In an environment of reduced labor budgets and growing safety issues, The Grabber® will help to minimize workman's compensation claims and save valuable time that can then be allocated elsewhere in your facility.

OTRT Rings

We utilize the Hookless® shower curtain's patented, split-ring technology--a proven success in the hospitality and retail markets. In today's environment a cubicle curtain system with old fashioned hooks, chains, carriers and ladders is too time consuming and poses too much risk and liability. Newer snap systems that only remove a portion of the cubicle curtain are potentially creating additional unrealized liability.

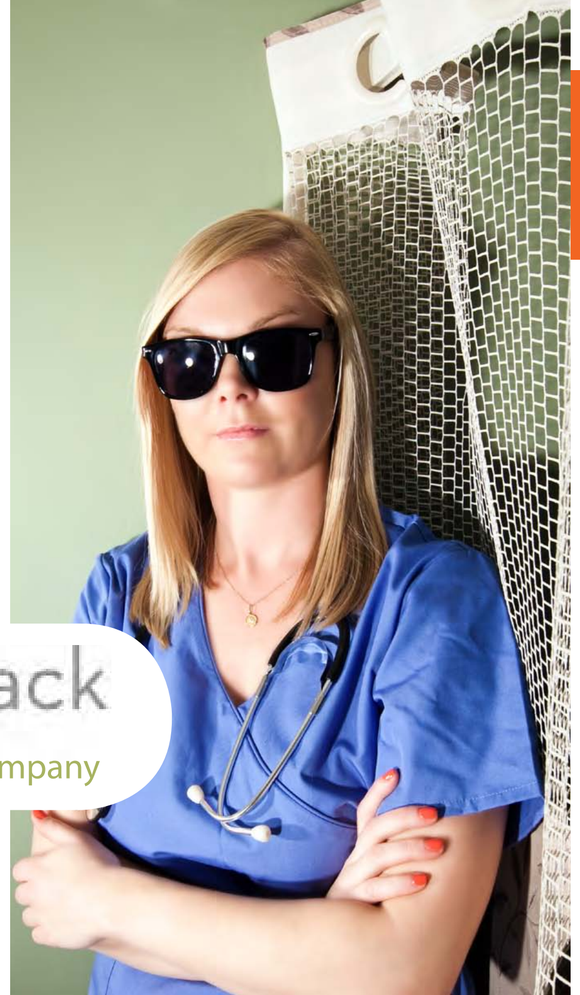
On The Right Track® is uniquely different. Our curtains glide silently along our patented rail system and curtain exchanges can be managed in less than one minute while standing safely on the ground.

The Disposable

Because daily laundering just simply isn't practical in all circumstances, we've developed a disposable product that can be removed in seconds. In high infections areas such as ED's, ICU's and Burn Units, disposables are a great choice when census is high and manpower is low. And the beauty of the OTRT "system" is that disposables and textile curtains are fully interchangeable as circumstances require.

As with all of our OTRT cubicle curtain products there are no old fashioned hooks, carriers or track and curtain exchanges are done in seconds with The Grabber®. All disposables pass NFPA 701 and CA Title 19 requirements and are available in multiple patterns and colors.

100% polypropylene. Recyclable.



on the right track systems, inc

is not your typical cubicle curtain company

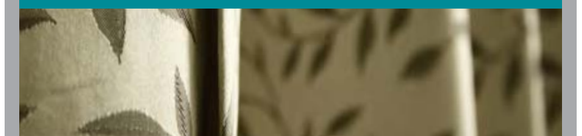
Did you know that cubicle curtains are a leading vector for infection transmission?

HAI's are a serious threat and a huge potential liability. Unwashed cubicle curtains harbor dangerous and life threatening bacteria. Clinical studies indicate that 42% of hospital cubicle curtains (when tested) were contaminated with VRE and 22% with MRSA[3]. More concerning, is that 92% of freshly washed cubicle curtains are re-contaminated within one week.[3]

[3] "Hospital Privacy Curtains are Frequently and Rapidly Contaminated with Potentially pathogenic Bacteria." The American Journal of Infection Control. Copyright © 2012 Elsevier Inc. April 1, 2012. <www.ajicjournal.org/article/S0196-6553(12)00070-3>.

42%

of hospital privacy curtains (when tested) were contaminated with VRE and 22% with MRSA



...and did you know that cubicle curtains can either raise or lower your HCAHPS score?

Quiet. On The Right Track cubicle curtains are virtually silent and patients remain totally undisturbed.

Cleanliness. Many facilities now routinely exchange the leading OTRT cubicle curtain panel with every patient admission.

Not so subtle improvements to the overall patient experience that can be directly linked to future reimbursements and post-hospital stay questionnaires.

A Not So Final Word from On The Right Track®

In 2008, On The Right Track® went to a prestigious northeastern hospital to present their patented Hookless® shower curtain. Although the highly efficient shower curtain was extremely well received, the hospital administrators challenged us to help them solve their "cubicle curtain crisis."

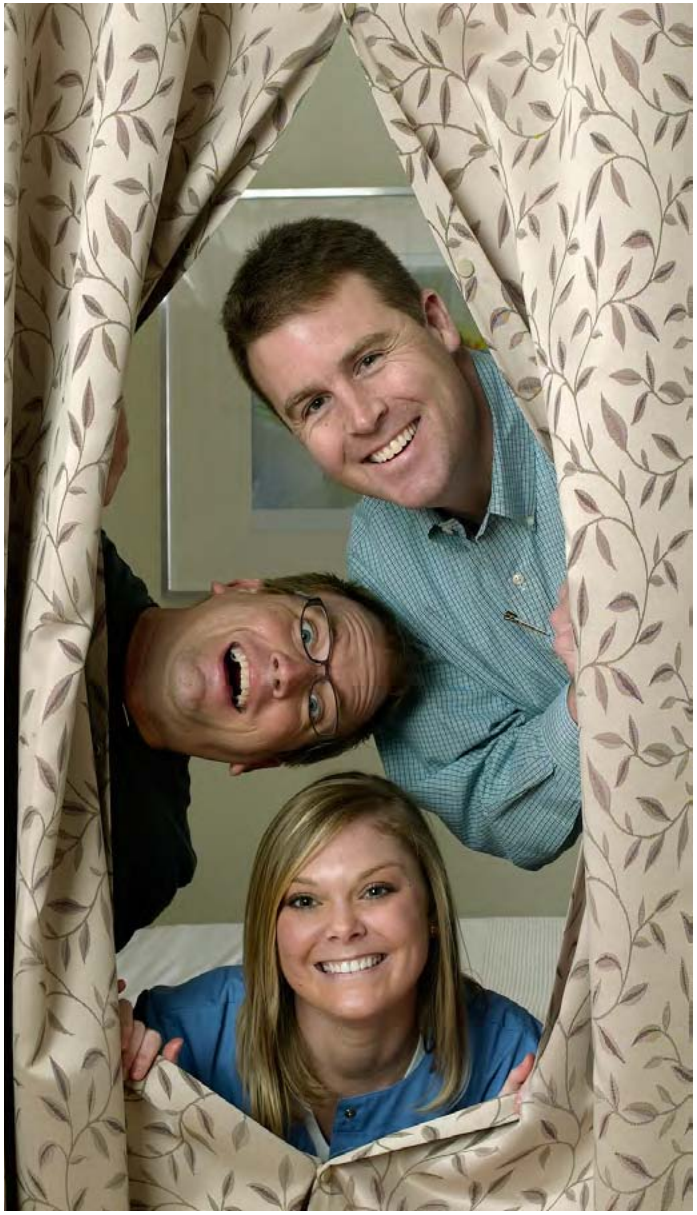
It's hard to believe that with all the advances in technology, that cubicle curtains and track have, for the most part, remained unchanged in the past 40 years. Cubicle curtains are universally loathed by virtually all healthcare professionals.

Early on we learned that old fashioned cubicle curtain carriers continuously became stuck, were noisy, that it took two people to efficiently exchange curtains, that it was an extremely time consuming chore, that ladders created safety issues and that the hooks and chains often tore the mesh during laundering. For us it was GAME ON.

Talk about being in the right place at the right time! Four short years later the landscape of the healthcare industry has shifted dramatically as a result of changing government regulations and the overwhelming concern about hospital acquired infections (HAI's) and their increasing liability. Today, On The Right Track® manufactures an array of products with specific focus on infection prevention, improved HCAHPS scores, safety and convenience.

We actually listen to our customers, and our products are a reflection of *your* continuously evolving needs--patented disposable curtains, cubicle curtains, shower curtains, The Transfer BenchBuddy™, The Hand Shield™ and customized cubicle curtain/patient lift solutions.

We're On The Right Track® and never standing still!



visitusonline:

174 Hudson Street, 4th Floor ∩ New York, NY 10013 ∩ Tel: 212.625.6630

www.ontherighttrack.com

Infection Control Risk Assessment Matrix

Please complete this form and attach the Scope of Work document with this form. Infection Control contact is Laura Markman RN (x64168).

Project #: **640 12 114P**

ICRA FOR 640-15-136 WILL BE EQUAL OR LESS THAN EXISTING ICRA.

Project Title: **Renovate for Dialysis**

COTR: Mr. Ralph Lappin Ext: 64423 Cell 640 444 7601

Part I (Engineering to complete):

Using the following table, identify the type of construction project activity (Types A-D):

Type A	**Inspection and Non-invasive Activities** Includes, but is not limited to: Removal of ceiling tiles for visual inspection limited to 1 tile per 50 square feet; Painting but not sanding; and Wall covering, electrical trim work, minor plumbing and other activities which do not generate dust or require cutting of walls or access to ceilings other than for visual inspection.
Type B	**Small scale, short duration activities which create minimal dust** Includes, but is not limited to: Installation of telephone and computer cabling; Access to chase spaces; and Cutting of walls or ceiling where dust migration can be controlled.
Type C	**Work that generates a moderate-to-high-level of dust or requires demolition or removal of any fixed building components or assemblies** Includes, but is not limited to: Sanding of walls for painting or wall covering; Removal of floor coverings, ceiling tiles and casework; New wall construction; Minor duct work or electrical work above ceilings; Major cabling activities; and Any activity which cannot be completed within a single work shift.
Type D	**Major demolition and construction projects** Includes, but is not limited to: Activities which require consecutive work shifts; Requires heavy demolition or removal of a complete cabling system; and New construction.

Type (circle one): A B C D

Part II (Engineering to complete):

Please answer the following questions (circle yes or no):

1. Is disruption of essential services (e.g., ventilation, water) to patients/employees anticipated?

Yes No **Comments: None** will coordinate around dialysis runs

2. Is relocation of patients to alternate units required or being considered?

Yes **No** **Comments: None**

3. Will the removal of debris pass through patient care areas?

Yes No **Comments: None** will need to be covered & outside of container dust free

Part III (Infection Control to complete):

Using the following table, identify the patient risk groups that will be affected:

Low Risk	Medium Risk	High Risk	Highest Risk
Office areas	- Cardiology - Echocardiography - Endoscopy - Nuclear medicine - Physical therapy - Radiology/MRI - Respiratory therapy	- CCU - Emergency room - Labor and delivery - Laboratories - Newborn nursery - Outpatient surgery - Pediatrics - Pharmacy - Post anesthesia	- Any area caring for immunocompromised patients - Burn unit - Cardiac cath lab - Central sterile supply - Intensive care units - Medical unit - Negative pressure isolation rooms - Oncology - ORs

Risk Level (circle one): Low **Medium** High Highest

Part IV (Infection Control to complete):

Using the following table, identify the **Precaution Class** (I, II, III, or IV) or level of infection control activities required for the planned construction project. Match the construction type (A,B,C,D) with the risk level (low, medium, high, highest).

Patient Risk Group	Type A	Type B	Type C	Type D
LOW risk	I	II	II	III/IV
MEDIUM risk	I	II	III	IV
HIGH risk	I	II	III/IV	IV
HIGHEST risk	II	III/IV	III/IV	IV

Source: Virginia Kennedy, St. Luke's Episcopal Hospital, Houston/ icanPREVENT.com

Precaution Class (circle one): I II III **IV**

Precaution Classes (Levels of Required Infection Control Activities)

All precautions in the determined class must be followed:

Class	Precautions/procedures that are required for each class
I	During work: 1. Execute work using methods to minimize raising dust from construction operations. 2. Immediately replace a ceiling tile displaced for visual inspection. 3. Minimize traffic (decrease exposure of patients to construction). 4. If disruption of water supply is necessary, schedule interruptions during low activity. After work: General clean up as needed
II	During work: 1. All Class I activities listed above 2. Provide active means to prevent airborne dust from dispersing into the atmosphere. 3. Water mist work surfaces to control dust while cutting. 4. Seal unused doors with duct tape. 5. Block off and seal air vents. 6. Provide and use walk-off mats at work areas. Replace used mats with new mats in accordance with manufacturer's recommendations and when dirty. 7. Contain construction waste before transport in tightly covered containers. For removal of construction waste, follow pre-determined route. 8. Seal off isolate heating, ventilation and air conditioning (HVAC) system in areas where work is being performed. After work: 1. Clean and wipe work surfaces with hospital-approved disinfectant. 2. Wet mop and/or vacuum with HEPA-filtered vacuum before leaving the work area. 3. Remove isolation of HVAC system from work area.
III	During work: 1. All Class I and II activities listed above 2. Complete all critical barriers (i.e., sheetrock, plywood, plastic, or implement the control cube method [cart with plastic covering and sealed connection to work site with HEPA vacuum for cleaning prior to exit]) to seal the area before construction begins. 3. Maintain negative air pressure within the work site utilizing HEPA-equipped air filtration units. 4. Cover transport receptacles or carts. Tape covering unless the cart has a solid lid. After work: 1. Do NOT remove barriers from work area until completed project is inspected by the Safety Office and Infection Control and the area has been thoroughly cleaned by Environmental Management. 2. Remove barrier material carefully to minimize spreading of dirt and debris associated with construction. 3. Vacuum work area with HEPA-filtered vacuums. 4. Wet mop area with hospital-approved disinfectant. 5. Remove isolation of HVAC system in area where work is being performed.

Class	Activity
IV	During work: 1. All Class I, II, and III activities listed above 2. Relocate patients away from construction areas. 3. Isolate HVAC system in area where work is being done to prevent contamination of the duct system. 4. Seal holes, pipes, conduits, and punctures appropriately. 5. Construct anteroom and require all construction personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving the work site or they can wear cloth or paper coveralls that are removed each time they leave the work site. 6. All personnel entering work site are required to wear shoe covers, which must be changed each time the worker exits the work area. 7. Provide and use adhesive walk-off mats within the anteroom. Replace used mats with new mats in accordance with manufacturer's recommendations and when dirty. 8. Contain construction waste before transport in tightly covered clean (wiped clean with wet cloth) containers. For removal of construction waste, follow pre-determined route. 9. Construction/work area should be periodically inspected by Safety Office and Infection Control as appropriate After work: 1. Do NOT remove barriers from work area until completed project is inspected by the Safety Office and Infection Control and the area has been thoroughly cleaned by Environmental Management. 2. Remove barrier material carefully to minimize spreading of dirt and debris associated with construction. 3. Contain construction waste before transport in tightly covered containers. 4. Vacuum work area with HEPA-filtered vacuums. 5. Wet mop area with hospital-approved disinfectant. 6. Remove isolation of HVAC system in area where work was performed.

Additional Risk Assessment:

Is work being conducted in area where exposure to active TB is possible? **Yes** / No.

If yes, contractor must provide documentation that construction workers have been screened for active TB within 90 days of work commencing. Anyone screening positive must show proof of being on treatment.

Additional Comments:

Part V: Persons completing the Infection Control Risk Assessment:

Ralph Lappin — Signature — 12/12/2012 Date

Laura Markmann RN — Print name (Infection Control)

Laura Markmann — Signature

12/10/12 — Date